

Survey Questions - Post-Focus Group Session Survey

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1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	X				
I felt comfortable voicing my opinion.		X			
I know more about the National Weather Service (NWS) resources.		X			
I feel I could use NWS resources to judge my risk in an extreme weather event.		X			

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

~~definitely~~ more internet access so that you can collect as much information as possible and other possible electronics to get more info on NWS flood forecasts

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

I would try to collect as much info about NWS / extreme weather risks, to be aware of whats coming so that you are prepared to know what to do

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	X				
Share what I learned about NWS products today with others.	X				
Seek NWS information about extreme weather risks.	X				
Use NWS products and information in your decision-making	X				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text

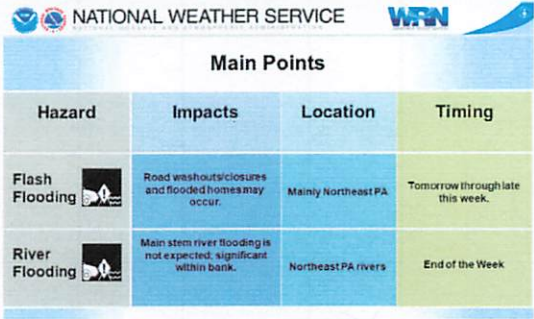
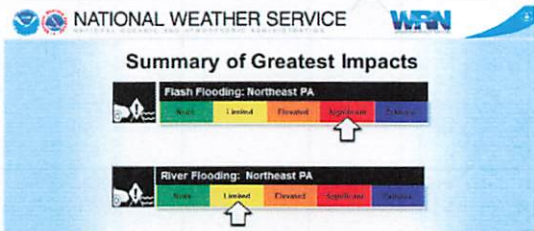
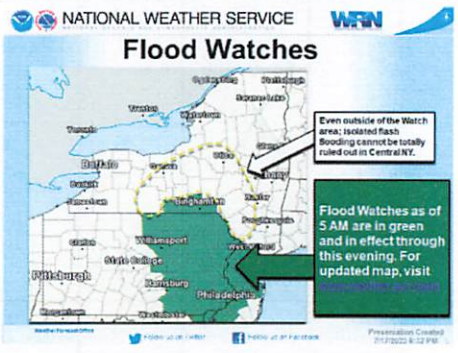
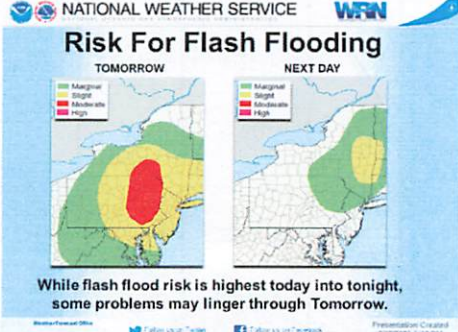
Graphics

Combined text and graphics

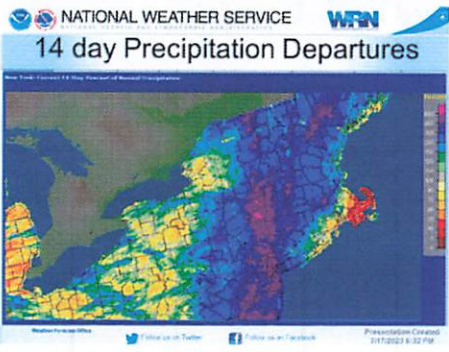
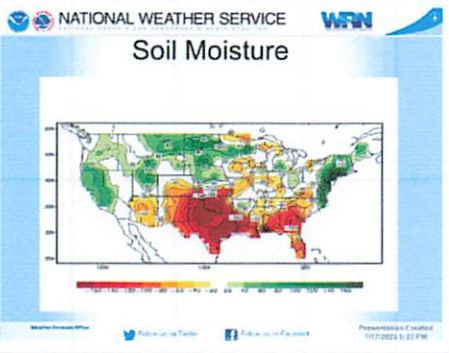
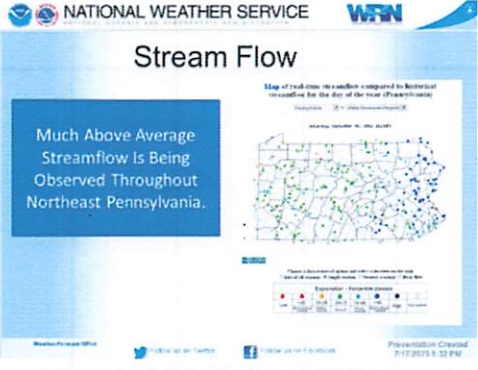
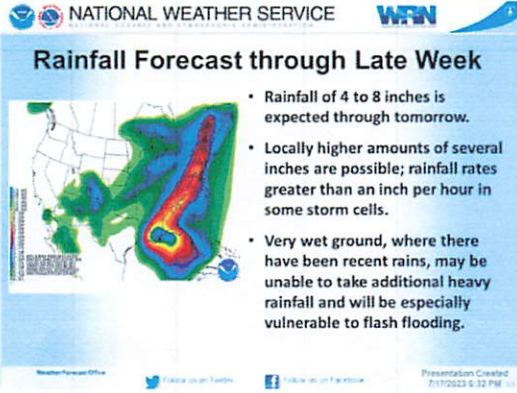
Please explain.

It would help by showing the pinpoints of where the flooding will start or end and the levels and risks of flooding! More info the better

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful												
 <p>Main Points</p> <table border="1"> <thead> <tr> <th>Hazard</th> <th>Impacts</th> <th>Location</th> <th>Timing</th> </tr> </thead> <tbody> <tr> <td>Flash Flooding</td> <td>Road washouts/closures and flooded homes may occur.</td> <td>Mainly Northeast PA</td> <td>Tomorrow through late this week.</td> </tr> <tr> <td>River Flooding</td> <td>Main stem river flooding is not expected, significant within bank.</td> <td>Northeast PA rivers</td> <td>End of the Week</td> </tr> </tbody> </table>	Hazard	Impacts	Location	Timing	Flash Flooding	Road washouts/closures and flooded homes may occur.	Mainly Northeast PA	Tomorrow through late this week.	River Flooding	Main stem river flooding is not expected, significant within bank.	Northeast PA rivers	End of the Week		X			
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 <p>Flood Watches</p> <p>Even outside of the Watch areas, isolated flash flooding cannot be totally ruled out in Central NY.</p> <p>Flood Watches as of 5 AM are in green and in effect through this evening. For updated map, visit www.weather.gov/wnn</p>		X															
 <p>Risk For Flash Flooding</p> <p>TOMORROW</p> <p>NEXT DAY</p> <p>While flash flood risk is highest today into tonight, some problems may linger through Tomorrow.</p>		X															

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>River level probabilities</p> <p>Risk of River Flooding at Wilkes-Barre</p> <p>NAEFS - 10 Day River Level Probabilities</p> <p>Susquehanna River at Wilkes-Barre, PA</p>			X		
<p>Precipitation Probabilities</p> <p>Range of Potential Rainfall Affecting Wilkes-Barre</p> <p>NAEFS - 10 Day Accumulated Precipitation Probabilities</p> <p>Susquehanna River at Wilkes-Barre, PA</p>			X		
<p>Social Media</p> <p>US National Weather Service Binghamton NY High Flood warning in part of the area until 2:45 pm. Please do not attempt to cross flooded roads. More than half of flood related deaths occur in automobiles from people trying to cross places they shouldn't.</p> <p>US National Weather Service Binghamton NY New river forecasts are out. Heavy rains along the Susquehanna River are expected to peak later in weekend hour or record flood stages. Remember you can check these forecasts here: http://www.weather.gov/bkn (http://www.weather.gov/bkn) (http://www.weather.gov/bkn). This image shows a forecast for Binghamton showing near 26 feet. At 26.5 feet, the river overtops the flood walls in downtown Binghamton.</p>			X		

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
 <p>NATIONAL WEATHER SERVICE 14 day Precipitation Departures</p> <p>See Table Content 1.8 Map Percent of Normal Precipitation</p> <p>Weather Forecast Office <small>Follow us on Twitter Follow us on Facebook</small> <small>Presentation Created 7/17/2023 5:32 PM</small></p>			X		
 <p>NATIONAL WEATHER SERVICE Soil Moisture</p> <p>Weather Forecast Office <small>Follow us on Twitter Follow us on Facebook</small> <small>Presentation Created 7/17/2023 5:32 PM</small></p>		X			
 <p>NATIONAL WEATHER SERVICE Stream Flow</p> <p>Much Above Average Streamflow Is Being Observed Throughout Northeast Pennsylvania.</p> <p>Map of real-time streamflow compared to historical (normal) for the day of the year (7/17/2023)</p> <p>Weather Forecast Office <small>Follow us on Twitter Follow us on Facebook</small> <small>Presentation Created 7/17/2023 5:32 PM</small></p>			X		
 <p>NATIONAL WEATHER SERVICE Rainfall Forecast through Late Week</p> <ul style="list-style-type: none"> Rainfall of 4 to 8 inches is expected through tomorrow. Locally higher amounts of several inches are possible; rainfall rates greater than an inch per hour in some storm cells. Very wet ground, where there have been recent rains, may be unable to take additional heavy rainfall and will be especially vulnerable to flash flooding. <p>Weather Forecast Office <small>Follow us on Twitter Follow us on Facebook</small> <small>Presentation Created 7/17/2023 5:32 PM</small></p>		X			

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<p>Flood Potential Summary</p>		X			
<p>Excessive Rainfall Risk</p>		X			
<p>Flood Hazard Outlook</p>			X		

7. What changes might you recommend for any of the products shown?

I couldn't change anything unless there was any info needed to be changed.

OMB Control No. 0690-0030

Expiration Date: 07/31/2024

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet None Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop None Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

quality coordination reference
for towns and city ect.

12. Additional comments:

Thank you for participating!

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2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

I dont have a computer or working phone at the moment and if im being honest the products of the NWS are abit confusing due to the different colour coridinations

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

I ~~hope to~~ believe that there should be more storm/flood sirens with storm/flood detection systems

4. After attending today's session, how likely are you to:

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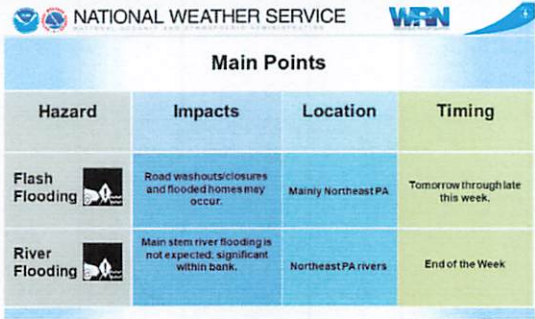
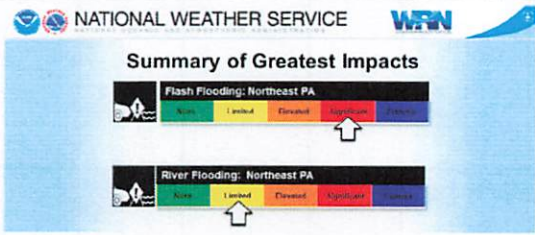
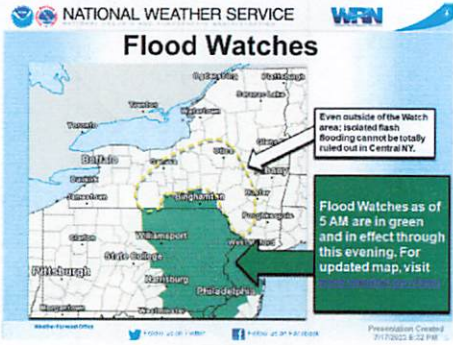
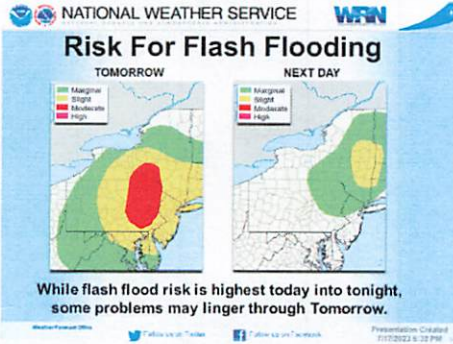
Text

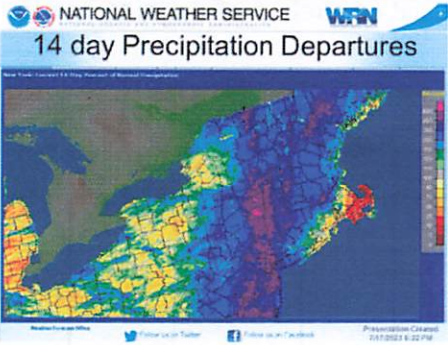
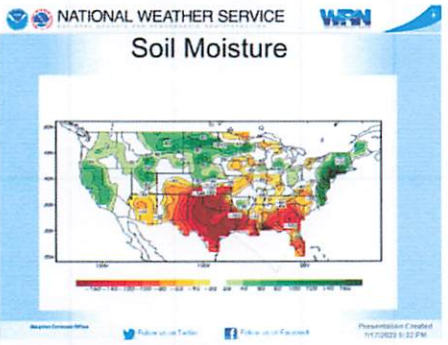
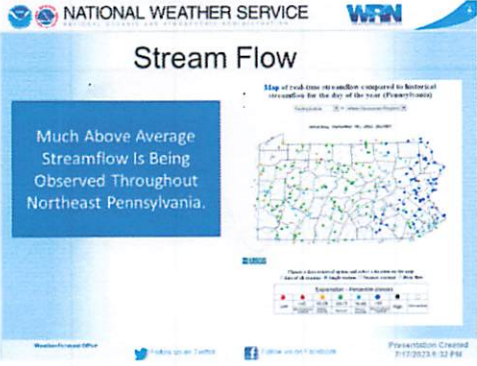
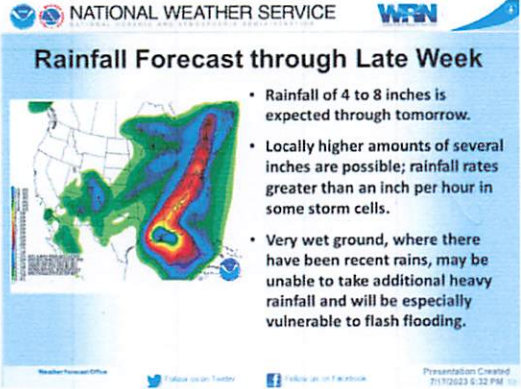
Graphics

Combined text and graphics

Please explain. ~~to show that~~ to easier understand the severity of the situation at hand

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

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 <p>Risk For Flash Flooding</p> <p>TOMORROW</p> <p>NEXT DAY</p> <p>While flash flood risk is highest today into tonight, some problems may linger through Tomorrow.</p>	✓																

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 <p>NATIONAL WEATHER SERVICE 14 day Precipitation Departures</p> <p>Map Title: Current 14 Day Period of Precipitation</p> <p>Weather Forecast Office <small>Follow us on Twitter</small> <small>Follow us on Facebook</small> <small>Presentation Created 7/17/2023 9:32 PM</small></p>					✓
 <p>NATIONAL WEATHER SERVICE Soil Moisture</p> <p>Weather Forecast Office <small>Follow us on Twitter</small> <small>Follow us on Facebook</small> <small>Presentation Created 7/17/2023 9:32 PM</small></p>				✓	
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	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>River level probabilities</p> <p>NATIONAL WEATHER SERVICE WFO Risk of River Flooding at Wilkes-Barre</p> <p>NAEFS - 10 Day River Level Probabilities Based on NCEP/Climate Prediction Center Model Simulations Used to Estimate the Range of Possible River Levels Sep 04 - Sep 14, 2013 Susquehanna River at Wilkes-Barre, PA</p> <p>Weather Forecast Office Presentation Created 7/17/2023 8:32 PM</p>			✓		
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	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Potential Summary</p>		✓			
<p>Excessive Rainfall Risk</p>		✓			
<p>Flood Hazard Outlook</p>			✓		

7. What changes might you recommend for any of the products shown?

i would add more reference points
(towns cities etc)

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet None Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop None Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

more reference points (town cities etc)
and a formal color coordination system

12. Additional comments:

Thank you for participating!

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I know more about the National Weather Service (NWS) resources.		✓			
I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

biggest barrier in my current situation is being homeless so there is a harder chance of being notified - if my phone was to die and I have no way of charging it.

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

In extreme weather risks in the area, if there were water meters that triggered a town wide siren to alert people of flooding it will benefit many - and would potentially save lives

4. After attending today's session, how likely are you to:

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	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
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Share what I learned about NWS products today with others.	✓				
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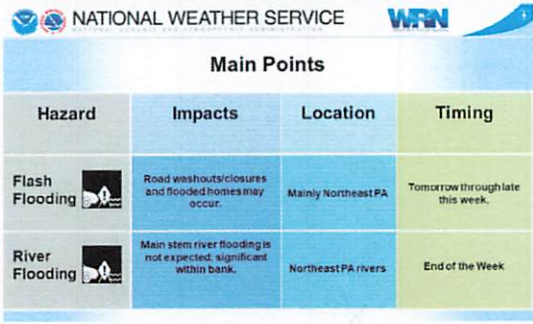
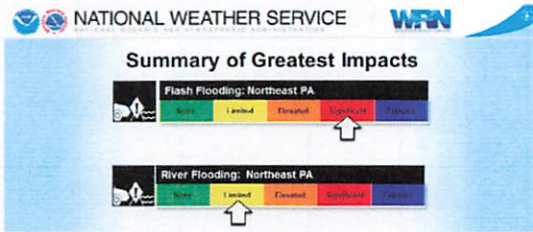
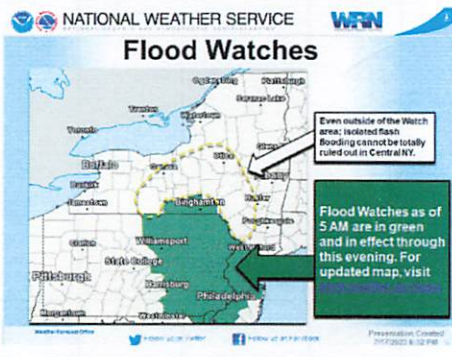

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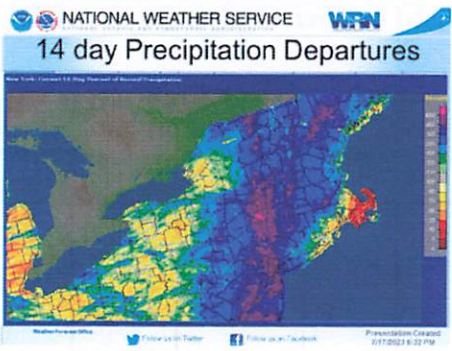
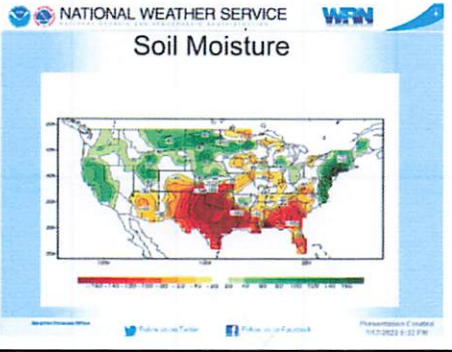
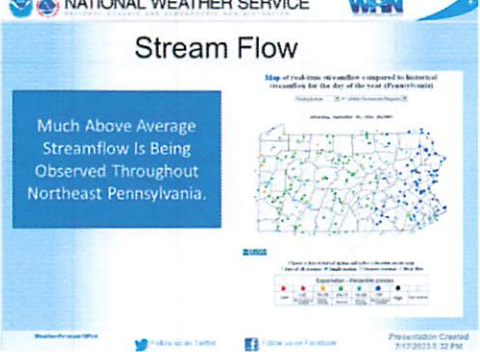
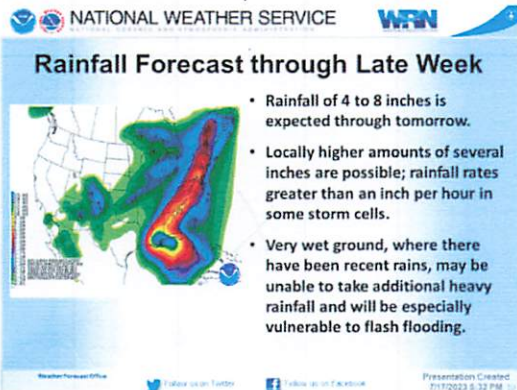
Graphics

Combined text and graphics

Please explain. Some people have trouble seeing, some have learning disabilities and can't or have a hard time reading so both graphic and text are important!

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

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 <p>Risk For Flash Flooding</p> <p>TOMORROW</p> <p>NEXT DAY</p> <p>While flash flood risk is highest today into tonight, some problems may linger through Tomorrow.</p>			X														

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
 <p>NATIONAL WEATHER SERVICE WFN 14 day Precipitation Departures</p> <p>New York, Central US, High Potential of Heavy Precipitation</p> <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created 7/17/2023 9:32 PM</p>					X
 <p>NATIONAL WEATHER SERVICE WFN Soil Moisture</p> <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created 7/17/2023 9:32 PM</p>		X			
 <p>NATIONAL WEATHER SERVICE WFN Stream Flow</p> <p>Much Above Average Streamflow Is Being Observed Throughout Northeast Pennsylvania.</p> <p>Map of real-time streamflow compared to historical (averaging for the day of the year) (Percentiles)</p> <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created 7/17/2023 9:32 PM</p>		X			
 <p>NATIONAL WEATHER SERVICE WFN Rainfall Forecast through Late Week</p> <ul style="list-style-type: none"> • Rainfall of 4 to 8 inches is expected through tomorrow. • Locally higher amounts of several inches are possible; rainfall rates greater than an inch per hour in some storm cells. • Very wet ground, where there have been recent rains, may be unable to take additional heavy rainfall and will be especially vulnerable to flash flooding. <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created 7/17/2023 9:32 PM</p>	X				

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>River level probabilities</p> <p>NATIONAL WEATHER SERVICE WFRN Risk of River Flooding at Wilkes-Barre NAEFS - 10 Day River Level Probabilities Based on NAEFS Forecast or Ensemble Forecast System Model Simulations Used to Estimate the Range of Possible River Levels Sep 08 - Sep 16, 2023 Susquehanna River at Wilkes-Barre, PA Presentation Created 7/17/2023 5:32 PM</p>			X		
<p>Precipitation Probabilities</p> <p>NATIONAL WEATHER SERVICE WFRN Range of Potential Rainfall Affecting Wilkes-Barre NAEFS - 10 Day Accumulated Precipitation Probabilities Based on NAEFS Forecast or Ensemble Forecast System Model Simulations Used to Estimate the Range of Possible River Levels Sep 08 - Sep 16, 2023 Wilkes-Barre, PA Presentation Created 7/17/2023 5:32 PM</p>			X		
<p>Social Media</p> <p>25 National Weather Service Binghamton NY Flash Flood warning in part of the area until 2:45 pm. Please do not attempt to cross flooded roads. More than half of flood-related deaths occur in subdivisions from people trying to cross places they shouldn't. 1,202 Impressions · 0.0% Feedback 25 National Weather Service Binghamton NY River level forecasts are out. Heavy rains along the Susquehanna River are expected to peak later in the week or around flood stage. Remember you can check these forecasts here (http://www.weather.gov/brw) under the "river" option. This image shows a forecast for Binghamton leading near 26 feet. At 25.6 feet, the river overtops the flood walls in downtown Binghamton. 1,202 Impressions · 0.0% Feedback Presentation Created 7/17/2023 5:32 PM</p>		X			

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Potential Summary</p>	X				
<p>Excessive Rainfall Risk</p>	X				
<p>Flood Hazard Outlook</p>			90-10-003 FH ✓		

7. What changes might you recommend for any of the products shown?

color by severity gray being the least and red being highest priority.

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet None Other: word of mouth

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop None Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

Flood hazard outlook ~~and~~ and maps that have no towns or city names added

11. What improvements could be made in the format or content of this session?

12. Additional comments:

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

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1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	X				
I felt comfortable voicing my opinion.	X				
I know more about the National Weather Service (NWS) resources.		X			
I feel I could use NWS resources to judge my risk in an extreme weather event.				X	

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

products are not localized enough and watershed specific
 need more local staff gauges on smaller streams
 that are tributaries to the Susquehanna

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

Improved GIS mapping systems! standard color-coding for risks of flooding
 Precipitation data that is local
 Better understanding of levee system in the Mississippi Valley and the flood heights and affected areas

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.				X	
Share what I learned about NWS products today with others.				X	
Seek NWS information about extreme weather risks.			X		
Use NWS products and information in your decision-making				X	

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text

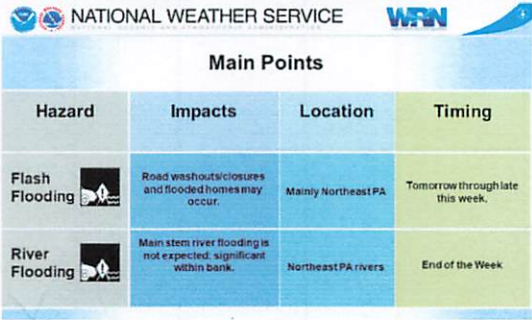
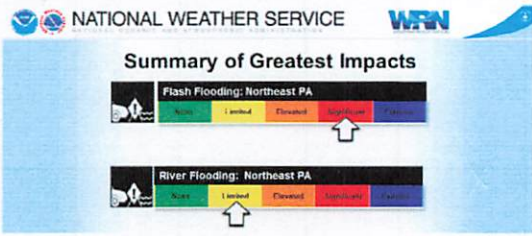
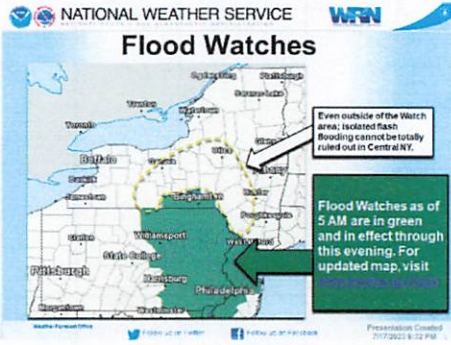
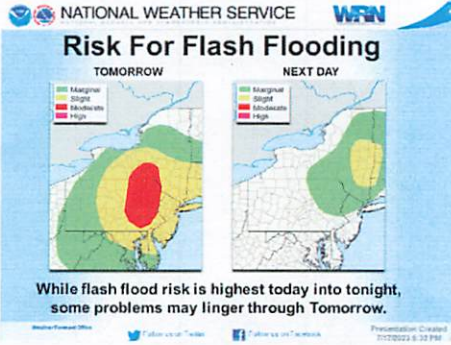
Graphics

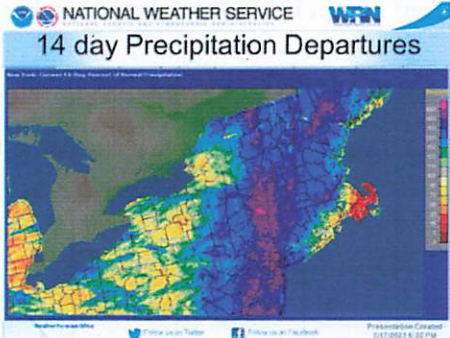
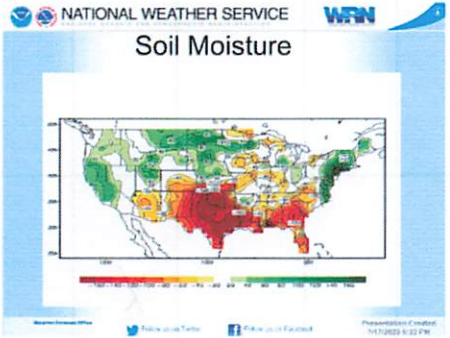
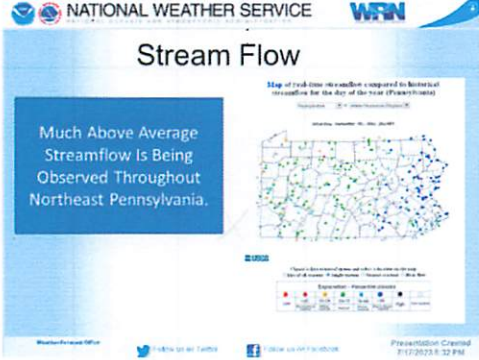
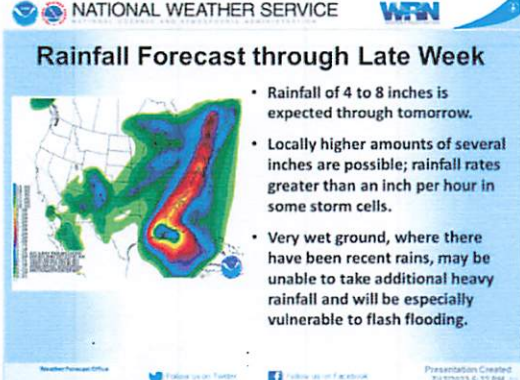
Combined text and graphics

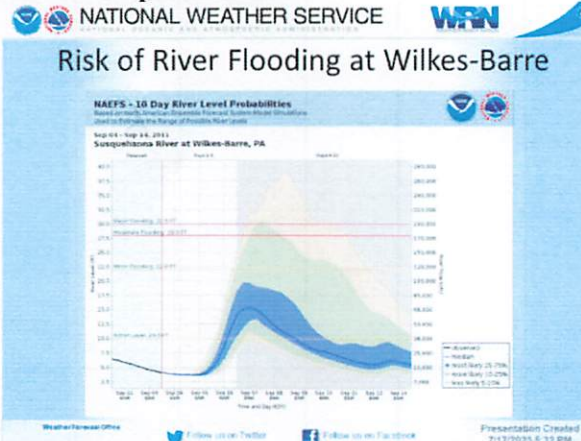
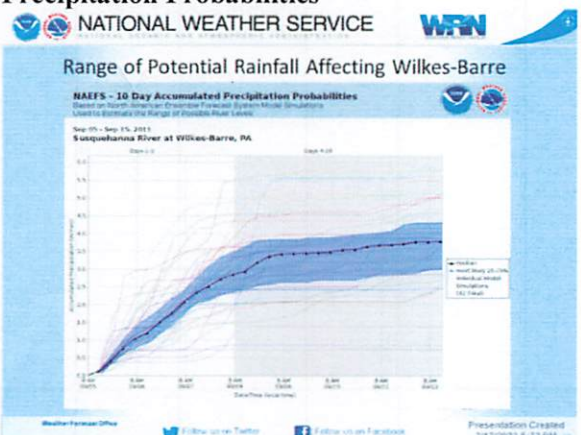
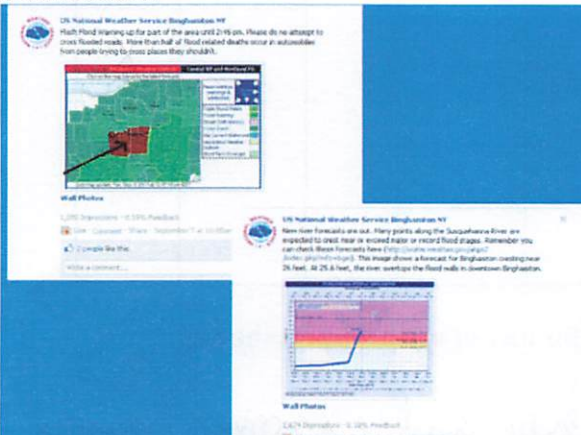
Please explain.

graphics catch your eye and need to be reliable
 text should be to the point

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful												
 <p>Main Points</p> <table border="1"> <thead> <tr> <th>Hazard</th> <th>Impacts</th> <th>Location</th> <th>Timing</th> </tr> </thead> <tbody> <tr> <td>Flash Flooding</td> <td>Road washouts/closures and flooded homes may occur.</td> <td>Mainly Northeast PA</td> <td>Tomorrow through late this week.</td> </tr> <tr> <td>River Flooding</td> <td>Main stem river flooding is not expected, significant within bank.</td> <td>Northeast PA rivers</td> <td>End of the Week</td> </tr> </tbody> </table>	Hazard	Impacts	Location	Timing	Flash Flooding	Road washouts/closures and flooded homes may occur.	Mainly Northeast PA	Tomorrow through late this week.	River Flooding	Main stem river flooding is not expected, significant within bank.	Northeast PA rivers	End of the Week					X
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 <p>Summary of Greatest Impacts</p> <p>Flash Flooding: Northeast PA</p> <p>River Flooding: Northeast PA</p>					X												
 <p>Flood Watches</p> <p>Even outside of the Watch area, isolated flash flooding cannot be totally ruled out in Central NY.</p> <p>Flood Watches as of 5 AM are in green and in effect through this evening. For updated map, visit www.weather.gov/ny</p>					X												
 <p>Risk For Flash Flooding</p> <p>TOMORROW</p> <p>NEXT DAY</p> <p>While flash flood risk is highest today into tonight, some problems may linger through Tomorrow.</p>					X												

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
 <p>NATIONAL WEATHER SERVICE WFN 14 day Precipitation Departures</p> <p>New York: Current 60 Day Forecast of Precipitation</p> <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created: 7/17/2023 6:32 PM</p>					X
 <p>NATIONAL WEATHER SERVICE WFN Soil Moisture</p> <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created: 7/17/2023 6:32 PM</p>					X
 <p>NATIONAL WEATHER SERVICE WFN Stream Flow</p> <p>Much Above Average Streamflow Is Being Observed Throughout Northeast Pennsylvania.</p> <p>Map of real-time streamflow compared to historical (reference) for the day of the year (Pawcatuck) Reference: 2017-08-01 (Wednesday)</p> <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created: 7/17/2023 6:32 PM</p>	X				
 <p>NATIONAL WEATHER SERVICE WFN Rainfall Forecast through Late Week</p> <ul style="list-style-type: none"> • Rainfall of 4 to 8 inches is expected through tomorrow. • Locally higher amounts of several inches are possible; rainfall rates greater than an inch per hour in some storm cells. • Very wet ground, where there have been recent rains, may be unable to take additional heavy rainfall and will be especially vulnerable to flash flooding. <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created: 7/17/2023 6:32 PM</p>		X			

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>River level probabilities</p>  <p>NATIONAL WEATHER SERVICE WFRN</p> <p>Risk of River Flooding at Wilkes-Barre</p> <p>NAEFS - 10 Day River Level Probabilities</p> <p>Susquehanna River at Wilkes-Barre, PA</p> <p>7/17/2023 5:32 PM</p>	X				
<p>Precipitation Probabilities</p>  <p>NATIONAL WEATHER SERVICE WFRN</p> <p>Range of Potential Rainfall Affecting Wilkes-Barre</p> <p>NAEFS - 10 Day Accumulated Precipitation Probabilities</p> <p>7/17/2023 5:32 PM</p>				X	
<p>Social Media</p>  <p>NATIONAL WEATHER SERVICE</p> <p>7/17/2023 5:32 PM</p>				X	

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
				X	
				X	
				X	

7. What changes might you recommend for any of the products shown?

The symbology is too busy and excessive, maybe use a color gradient

OMB Control No. 0690-0030

Expiration Date: 07/31/2024

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet None Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop None Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

Explanation of the Wyoming Valley Lease Systems protection

12. Additional comments:

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

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1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

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The information was clearly presented.			X		
I felt comfortable voicing my opinion.			X		
I know more about the National Weather Service (NWS) resources.		X			
I feel I could use NWS resources to judge my risk in an extreme weather event.			X		

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

Lack of general knowledge on the product

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

Uncertain

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.			X		
Share what I learned about NWS products today with others.		X			
Seek NWS information about extreme weather risks.			X		
Use NWS products and information in your decision-making					

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text

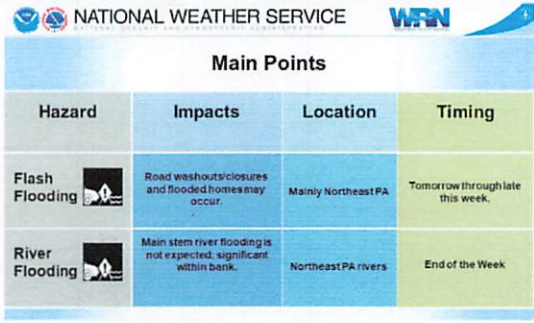
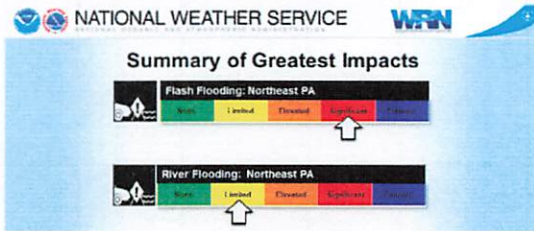
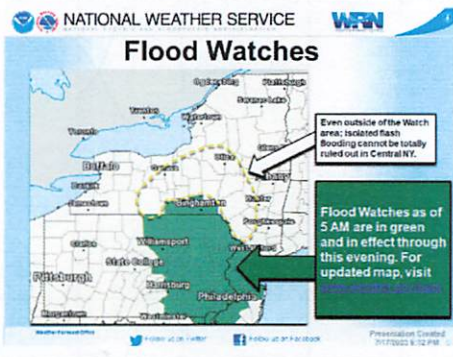

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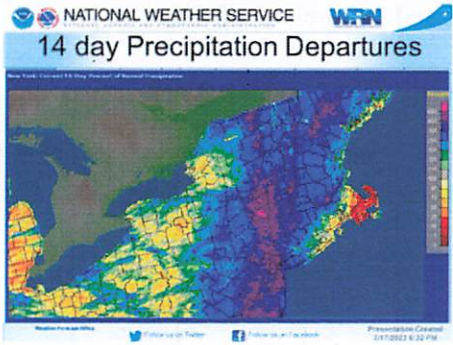
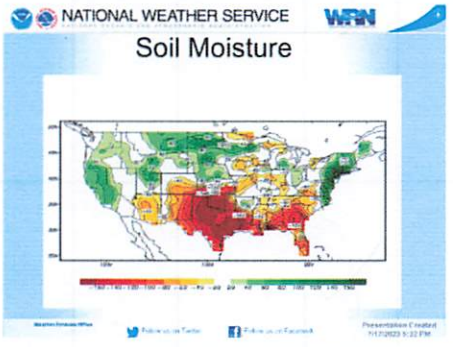
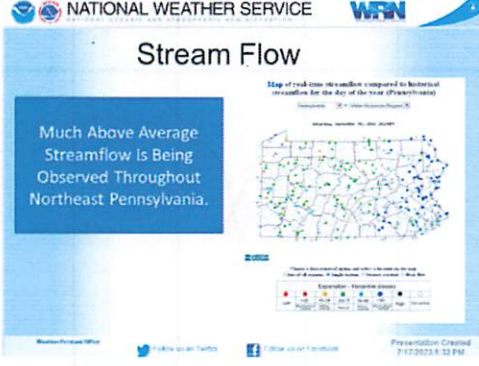
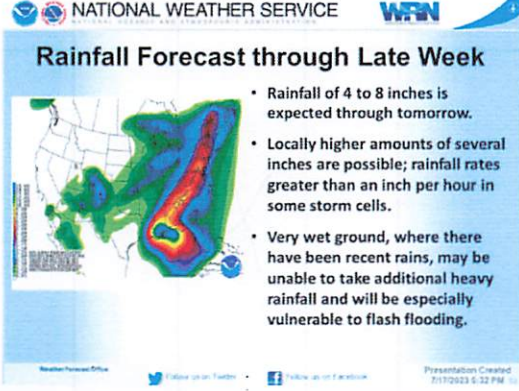
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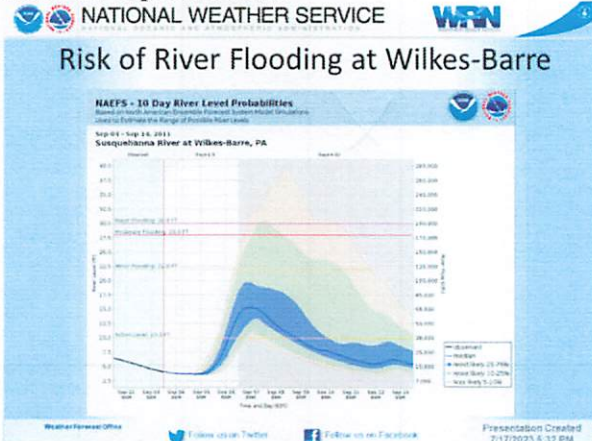
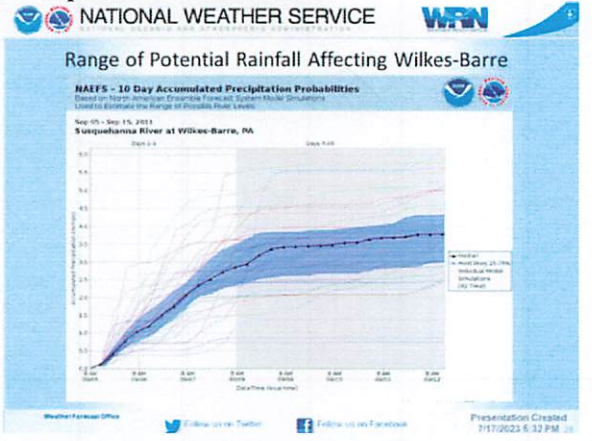
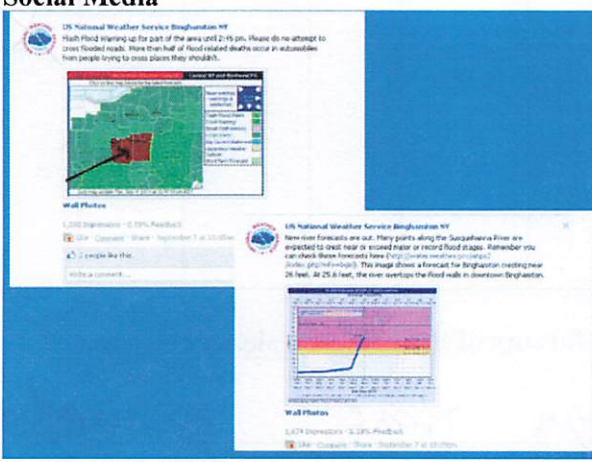
Please explain.

Makes it understandable

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful												
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 <p>Summary of Greatest Impacts</p> <p>Flash Flooding: Northeast PA</p> <p>River Flooding: Northeast PA</p>		X															
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 <p>Risk For Flash Flooding</p> <p>TOMORROW</p> <p>NEXT DAY</p> <p>While flash flood risk is highest today into tonight, some problems may linger through Tomorrow.</p>			X														

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
 <p>NATIONAL WEATHER SERVICE 14 day Precipitation Departures</p> <p>Map of 14-day 15-day Percent of Normal Precipitation</p> <p>Weather Forecast Office <small>Follow us on Twitter</small> <small>Follow us on Facebook</small> <small>Presentation Created 01/10/2023 9:32 PM</small></p>				X	
 <p>NATIONAL WEATHER SERVICE Soil Moisture</p> <p>Map of soil moisture</p> <p>Weather Forecast Office <small>Follow us on Twitter</small> <small>Follow us on Facebook</small> <small>Presentation Created 11/10/2023 9:32 PM</small></p>				X	
 <p>NATIONAL WEATHER SERVICE Stream Flow</p> <p>Much Above Average Streamflow Is Being Observed Throughout Northeast Pennsylvania.</p> <p>Map of real-time streamflow compared to historical (normal) for the days of the week (Powers/Fleming)</p> <p>Weather Forecast Office <small>Follow us on Twitter</small> <small>Follow us on Facebook</small> <small>Presentation Created 7/12/2023 9:32 PM</small></p>				X	
 <p>NATIONAL WEATHER SERVICE Rainfall Forecast through Late Week</p> <ul style="list-style-type: none"> • Rainfall of 4 to 8 inches is expected through tomorrow. • Locally higher amounts of several inches are possible; rainfall rates greater than an inch per hour in some storm cells. • Very wet ground, where there have been recent rains, may be unable to take additional heavy rainfall and will be especially vulnerable to flash flooding. <p>Weather Forecast Office <small>Follow us on Twitter</small> <small>Follow us on Facebook</small> <small>Presentation Created 7/12/2023 9:32 PM</small></p>				X	

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>River level probabilities</p>  <p>Risk of River Flooding at Wilkes-Barre</p> <p>NAEFS - 10 Day River Level Probabilities Based on Storm-Independent Ensemble Forecast System Model Simulations Used to Estimate the Range of Possible River Levels</p> <p>Sep 05 - Sep 14, 2013 Susquehanna River at Wilkes-Barre, PA</p> <p>Weather Forecast Office Presentation Created 7/17/2023 5:32 PM</p>			X		
<p>Precipitation Probabilities</p>  <p>Range of Potential Rainfall Affecting Wilkes-Barre</p> <p>NAEFS - 10 Day Accumulated Precipitation Probabilities Based on Storm-Independent Ensemble Forecast System Model Simulations Used to Estimate the Range of Possible River Levels</p> <p>Sep 05 - Sep 14, 2013 Wilkes-Barre, PA</p> <p>Weather Forecast Office Presentation Created 7/17/2023 5:32 PM</p>					X
<p>Social Media</p>  <p>Social Media</p> <p>US National Weather Service Binghamton NY Flash Flood Warning up for part of the area until 2:45 pm. Please do not attempt to cross flooded roads. More than half of flood related deaths occur in residential areas people trying to cross places they shouldn't.</p> <p>US National Weather Service Binghamton NY Heavy rain forecasts are out. Heavy rains along the Susquehanna River are expected to crest near or exceed major or record flood stages. Remember you can check these forecasts here: [link]. The range shows a forecast for Binghamton starting near 26 feet. At 25.6 feet, the river overtops the flood walls in downtown Binghamton.</p>					X

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
		X			
		X			
				X	X

7. What changes might you recommend for any of the products shown?

Given enough time to understand

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

None

Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

None

Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

Comprehension of some tools.

11. What improvements could be made in the format or content of this session?

Clear, short, to the point

12. Additional comments:

N/A

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

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The information was clearly presented.			X		
I felt comfortable voicing my opinion.		X			
I know more about the National Weather Service (NWS) resources.		X			
I feel I could use NWS resources to judge my risk in an extreme weather event.			X		

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

Lack of general knowledge on the products.

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

A learn how to use session

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.		X			
Share what I learned about NWS products today with others.		X			
Seek NWS information about extreme weather risks.	✓	X			
Use NWS products and information in your decision-making			X		

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

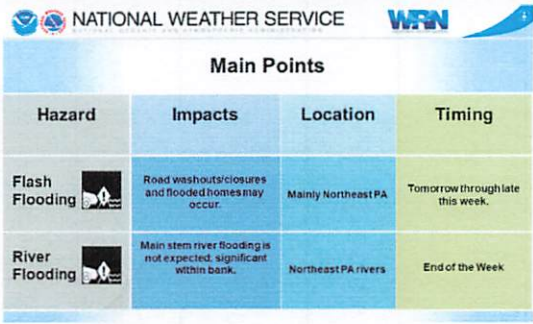
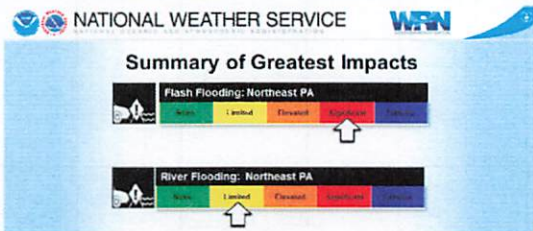


Text

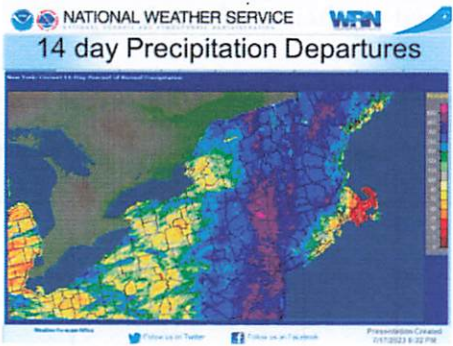
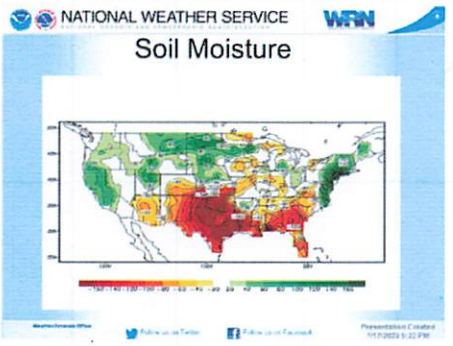
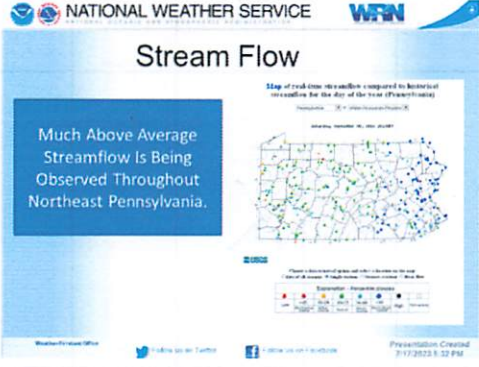
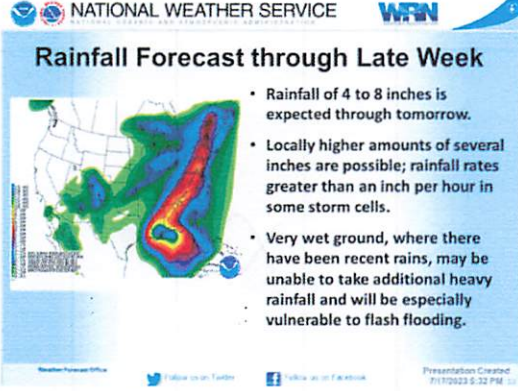
Graphics

Combined text and graphics

Please explain. easy for me to comprehend

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful												
 <p>Main Points</p> <table border="1"> <thead> <tr> <th>Hazard</th> <th>Impacts</th> <th>Location</th> <th>Timing</th> </tr> </thead> <tbody> <tr> <td>Flash Flooding</td> <td>Road washouts/closures and flooded homes may occur.</td> <td>Mainly Northeast PA</td> <td>Tomorrow through late this week.</td> </tr> <tr> <td>River Flooding</td> <td>Main stem river flooding is not expected, significant within bank.</td> <td>Northeast PA rivers</td> <td>End of the Week</td> </tr> </tbody> </table>	Hazard	Impacts	Location	Timing	Flash Flooding	Road washouts/closures and flooded homes may occur.	Mainly Northeast PA	Tomorrow through late this week.	River Flooding	Main stem river flooding is not expected, significant within bank.	Northeast PA rivers	End of the Week	X				
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 <p>Risk For Flash Flooding</p> <p>TOMORROW</p> <p>NEXT DAY</p> <p>While flash flood risk is highest today into tonight, some problems may linger through Tomorrow.</p>			X														

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
 <p>NATIONAL WEATHER SERVICE WFN 14 day Precipitation Departures</p> <p>New York - Current & 14 Day Forecast of Precipitation</p> <p>Weather Forecast Office Presentation Created: 01/12/2023 9:32 PM</p>				X	
 <p>NATIONAL WEATHER SERVICE WFN Soil Moisture</p> <p>Weather Forecast Office Presentation Created: 01/12/2023 9:32 PM</p>				X	
 <p>NATIONAL WEATHER SERVICE WFN Stream Flow</p> <p>Much Above Average Streamflow Is Being Observed Throughout Northeast Pennsylvania.</p> <p>Map of real-time streamflow compared to historical averages for the day of the year (Presentation) (Presentation: 01/12/2023 9:32 PM)</p> <p>Weather Forecast Office Presentation Created: 01/12/2023 9:32 PM</p>				X	
 <p>NATIONAL WEATHER SERVICE WFN Rainfall Forecast through Late Week</p> <ul style="list-style-type: none"> • Rainfall of 4 to 8 inches is expected through tomorrow. • Locally higher amounts of several inches are possible; rainfall rates greater than an inch per hour in some storm cells. • Very wet ground, where there have been recent rains, may be unable to take additional heavy rainfall and will be especially vulnerable to flash flooding. <p>Weather Forecast Office Presentation Created: 01/12/2023 9:32 PM</p>				X	

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Potential Summary</p>		X			
<p>Excessive Rainfall Risk</p>		X			
<p>Flood Hazard Outlook</p>				X	

7. What changes might you recommend for any of the products shown?

easy to read & pinpoint locations

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>River level probabilities</p> <p>NATIONAL WEATHER SERVICE WFN</p> <p>Risk of River Flooding at Wilkes-Barre</p> <p>NAEPS - 10 Day River Level Probabilities</p> <p>Weather Forecast Office Presentation Created 7/17/2023 5:32 PM</p>			X		
<p>Precipitation Probabilities</p> <p>NATIONAL WEATHER SERVICE WFN</p> <p>Range of Potential Rainfall Affecting Wilkes-Barre</p> <p>NAEPS - 10 Day Accumulated Precipitation Probabilities</p> <p>Weather Forecast Office Presentation Created 7/17/2023 5:32 PM</p>				X	
<p>Social Media</p> <p>US National Weather Service in Bangladesh</p> <p>Flash Flood Warning for part of the area used 2-15 pm. Please do not attempt to cross flooded roads. More than half of flood-related deaths occur in automobiles from people trying to cross places they shouldn't.</p> <p>US National Weather Service in Bangladesh</p> <p>Open water forecasts are out. Heavy rains along the Susquehanna River are expected to create new or record major or record flood stages. Remember you can check Water Forecasts here (link) to view water probabilities (link) (link) (link) (link). This image shows a forecast for Bangladesh meeting near 26 feet. At 25.8 feet, the river overtops the flood walls in downtown Bangladesh.</p>				X	

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

None

Other: News

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

None

Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

Understanding how to use product

11. What improvements could be made in the format or content of this session?

Darker lettering to see.

12. Additional comments:

Explanation on how product works
& how to use it- would help

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995 unless the information collection has a currently valid OMB Control Number. The approved OMB Control Number for this information collection is 0690-0030. Without this approval, we could not conduct this post-focus group survey collection. Public reporting for this information collection is estimated to be approximately 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. All responses to this information collection are voluntary. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Nurture Nature Center at: 518 Northampton Street, Easton, PA 18042, Attn: Rachel Hogan Carr, Executive Director, rhogan@nurturenature.org.

1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	✓				
I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

Some were too difficult to read

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

I like phone alerts.

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.		✓			
Share what I learned about NWS products today with others.	✓				
Seek NWS information about extreme weather risks.		✓			
Use NWS products and information in your decision-making	✓	✓			

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

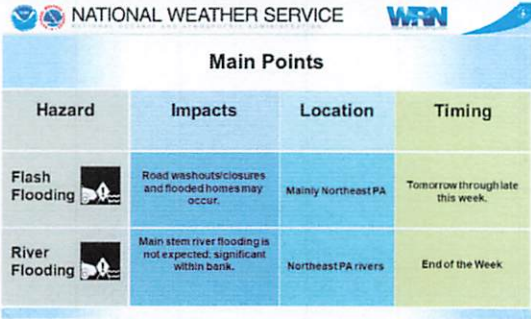
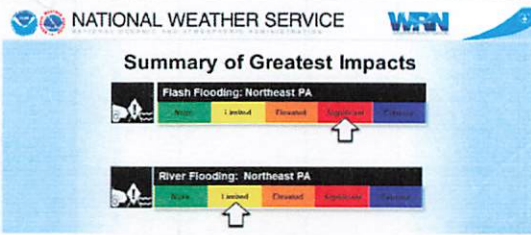
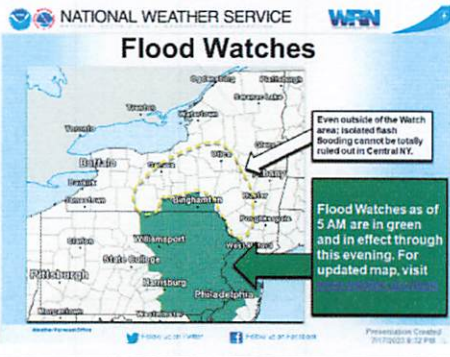
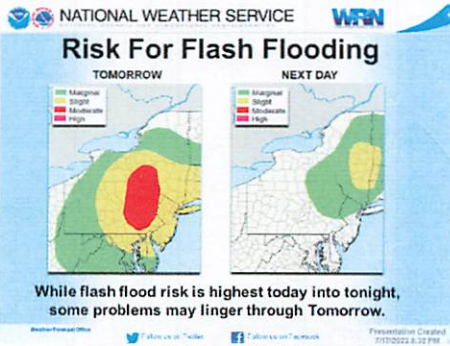
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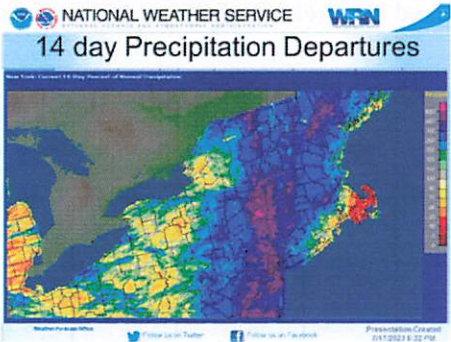
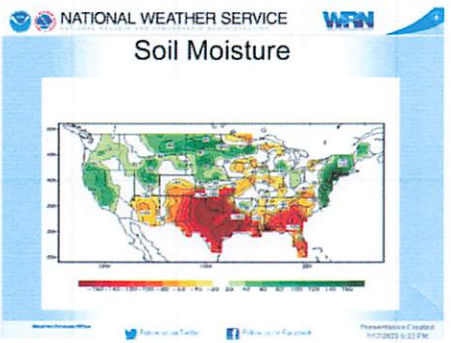
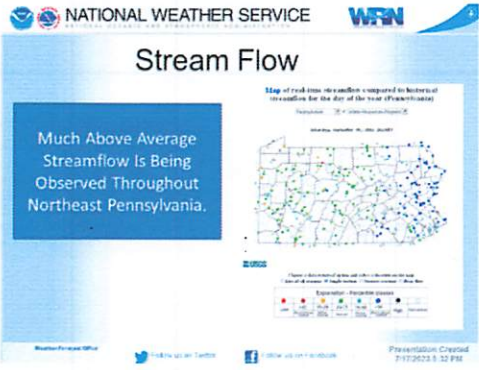
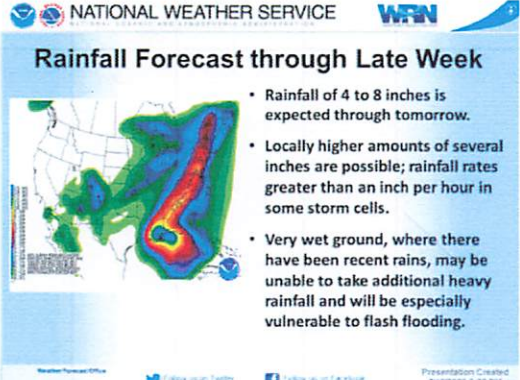
Graphics

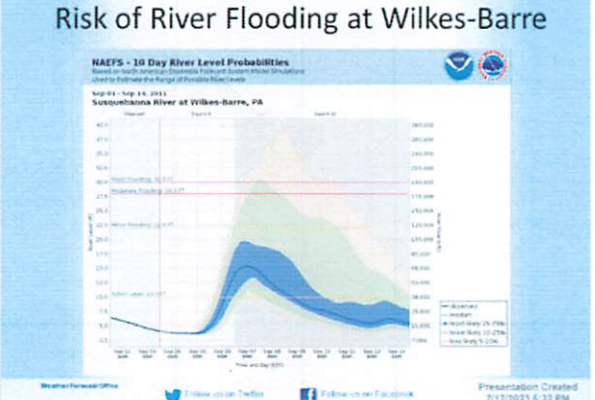
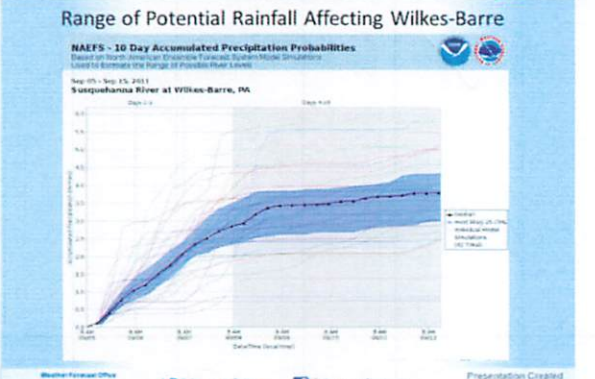
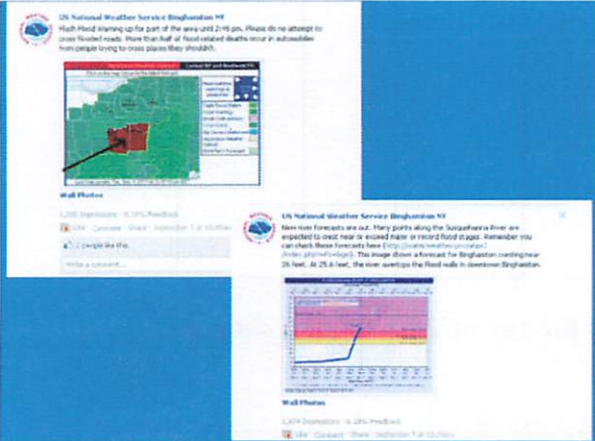
Combined text and graphics

Please explain. I like to read the text, for instance
rainfall: 4 to 8 inches. On the same scale, I like
to see the color scheme of the rainfall.

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful												
 <p>Main Points</p> <table border="1"> <thead> <tr> <th>Hazard</th> <th>Impacts</th> <th>Location</th> <th>Timing</th> </tr> </thead> <tbody> <tr> <td>Flash Flooding</td> <td>Road washouts/closures and flooded homes may occur.</td> <td>Mainly Northeast PA</td> <td>Tomorrow through late this week.</td> </tr> <tr> <td>River Flooding</td> <td>Main stem river flooding is not expected, significant within bank.</td> <td>Northeast PA rivers</td> <td>End of the Week</td> </tr> </tbody> </table>	Hazard	Impacts	Location	Timing	Flash Flooding	Road washouts/closures and flooded homes may occur.	Mainly Northeast PA	Tomorrow through late this week.	River Flooding	Main stem river flooding is not expected, significant within bank.	Northeast PA rivers	End of the Week	✓				
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 <p>Risk For Flash Flooding</p> <p>TOMORROW</p> <p>NEXT DAY</p> <p>While flash flood risk is highest today into tonight, some problems may linger through Tomorrow.</p>	✓																

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
 <p>NATIONAL WEATHER SERVICE WFN 14 day Precipitation Departures <small>New York - Current 14 Day Period of Precipitation</small></p>					✓
 <p>NATIONAL WEATHER SERVICE WFN Soil Moisture</p>					✓
 <p>NATIONAL WEATHER SERVICE WFN Stream Flow Much Above Average Streamflow Is Being Observed Throughout Northeast Pennsylvania.</p>			✓		
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	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>River level probabilities</p>  <p>NAEPS - 10 Day River Level Probabilities Based on North American Climate Forecast System (NAEPS) Simulations Used to Estimate the Range of Possible River Levels</p> <p>Sep 21 - Sep 28, 2023 Susquehanna River at Wilkes-Barre, PA</p> <p>Water Level (feet) / Discharge (cfs)</p> <p>Presentation Created: 2/17/2023 6:32 PM</p>			✓		
<p>Precipitation Probabilities</p>  <p>NAEPS - 10 Day Accumulated Precipitation Probabilities Based on North American Climate Forecast System (NAEPS) Simulations Used to Estimate the Range of Possible River Levels</p> <p>Sep 19 - Sep 28, 2023 Wilkes-Barre, PA</p> <p>Accumulated Precipitation (inches)</p> <p>Presentation Created: 2/17/2023 6:32 PM</p>					✓
<p>Social Media</p>  <p>12h National Weather Service @BinghamtonNY Flash Flood Warning in part of the area and 2-16 in. Please do not attempt to cross flooded roads. More than half of flood-related deaths occur in motor vehicles that attempt to cross places they shouldn't.</p> <p>1h National Weather Service @BinghamtonNY Seas over forecasts are out. Heavy rains along the Susquehanna River are expected to lead to or exceed flood stages. Remember you can track these forecasts here [link].</p> <p>1h National Weather Service @BinghamtonNY At 25.8 feet, the river overtops the flood walls in downtown Binghamton.</p>	✓				

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Potential Summary</p>			✓		
<p>Excessive Rainfall Risk</p>	✓				
<p>Flood Hazard Outlook</p>				✓	

7. What changes might you recommend for any of the products shown?

Brighter colors (flood hazard)

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

None

Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

None

Other: _____

10. Was anything in the session confusing? Yes

No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

None.

12. Additional comments:

The presenters explained everything very well.

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

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The information was clearly presented.	✓				
I felt comfortable voicing my opinion.		✓			
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.		✓			

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

Some were difficult to read.

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

phone alerts / have a app

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.		✓			
Share what I learned about NWS products today with others.				✓	
Seek NWS information about extreme weather risks.			✓		
Use NWS products and information in your decision-making		✓			

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

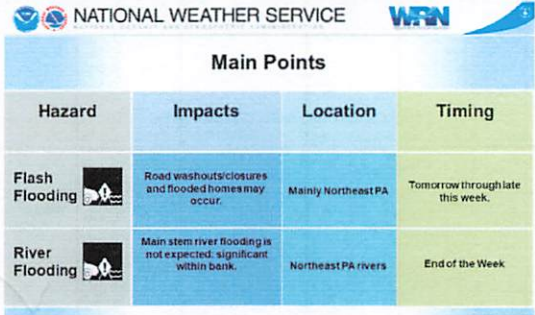
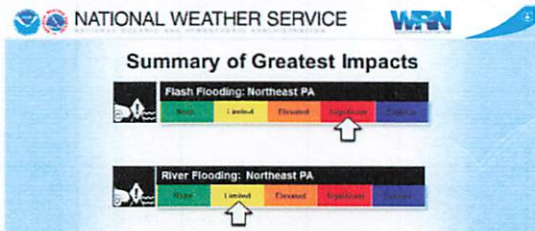
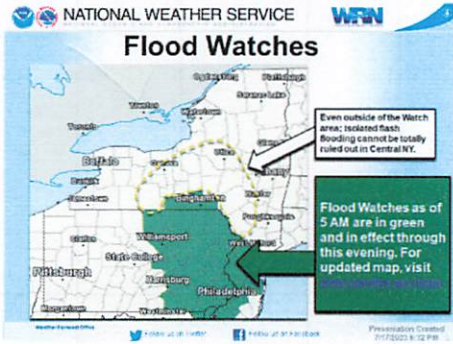
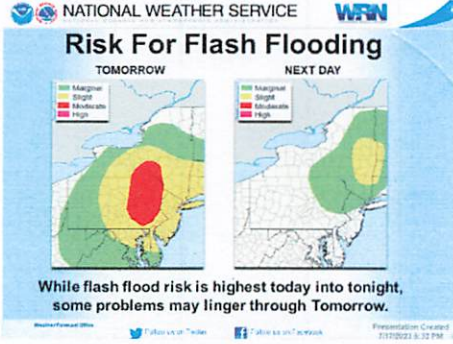
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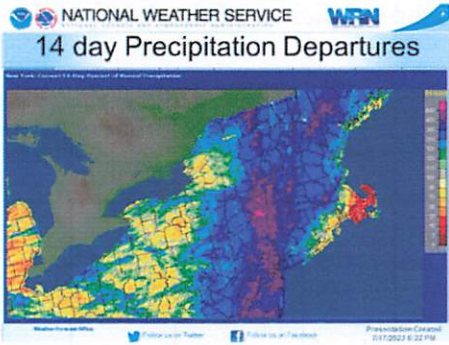
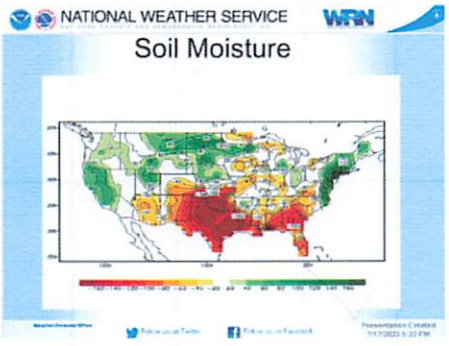
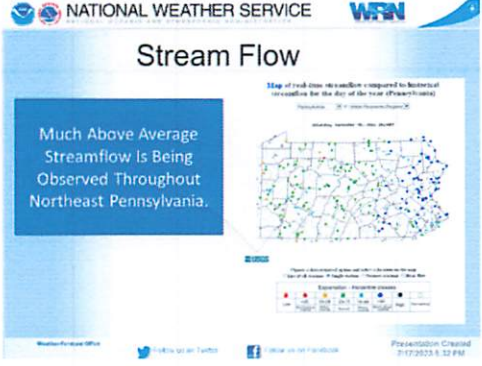
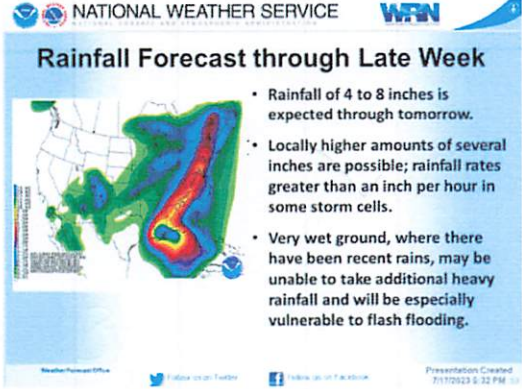
Graphics

Combined text and graphics

Please explain. I like to see with my own eyes what is being said, I also like the colors.

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	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
 <p>NATIONAL WEATHER SERVICE 14 day Precipitation Departures</p> <p>Map of 14-day departure of precipitation</p> <p>Weather Forecast Office <small>Follow us on Twitter Follow us on Facebook</small> <small>Presentation Created 7/17/2023 5:32 PM</small></p>				✓	
 <p>NATIONAL WEATHER SERVICE Soil Moisture</p> <p>Map of soil moisture</p> <p>Weather Forecast Office <small>Follow us on Twitter Follow us on Facebook</small> <small>Presentation Created 7/17/2023 5:32 PM</small></p>					✓
 <p>NATIONAL WEATHER SERVICE Stream Flow</p> <p>Much Above Average Streamflow is Being Observed Throughout Northeast Pennsylvania.</p> <p>Map of peak flow streamflow compared to historical conditions for the day of the year (Percentiles)</p> <p>Weather Forecast Office <small>Follow us on Twitter Follow us on Facebook</small> <small>Presentation Created 7/17/2023 5:32 PM</small></p>				✓	
 <p>NATIONAL WEATHER SERVICE Rainfall Forecast through Late Week</p> <ul style="list-style-type: none"> • Rainfall of 4 to 8 inches is expected through tomorrow. • Locally higher amounts of several inches are possible; rainfall rates greater than an inch per hour in some storm cells. • Very wet ground, where there have been recent rains, may be unable to take additional heavy rainfall and will be especially vulnerable to flash flooding. <p>Weather Forecast Office <small>Follow us on Twitter Follow us on Facebook</small> <small>Presentation Created 7/17/2023 5:32 PM</small></p>	✓				

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>River level probabilities</p> <p>NATIONAL WEATHER SERVICE WRN</p> <p>Risk of River Flooding at Wilkes-Barre</p> <p>NAEFS - 10 Day River Level Probabilities Based on the National Oceanic and Atmospheric Administration's National River Forecasting System (NRF) used to estimate the range of possible river levels.</p> <p>Sep 04 - Sep 14, 2023 Susquehanna River at Wilkes-Barre, PA</p> <p>Weather Forecast Office Presentation Created 7/17/2023 5:32 PM</p>		✓			
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	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
		✓			
	✓				
				✓	

7. What changes might you recommend for any of the products shown?

Bright colors help to see the risks,
 make all colors mean the same
 risk (Red is always the most risk)
 not changing colors over
 different graphs

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

None

Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

None

Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

Just some of the graphs

11. What improvements could be made in the format or content of this session?

I thought it ran smoothly

12. Additional comments:

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

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1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.		X			
I felt comfortable voicing my opinion.	X				
I know more about the National Weather Service (NWS) resources.		X			
I feel I could use NWS resources to judge my risk in an extreme weather event.			X		

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

Graphs were too complicated. Graphs weren't localized for my region so it felt like a waste of time.

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

the info needs to be simplified. Graphs seem complicated. To simplify the text

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

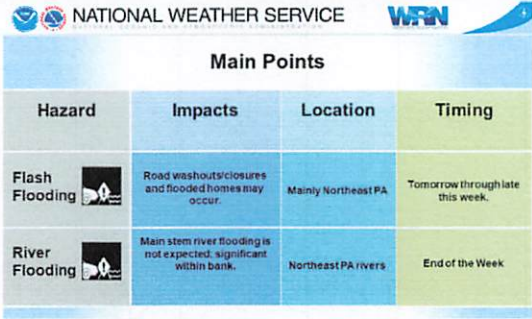
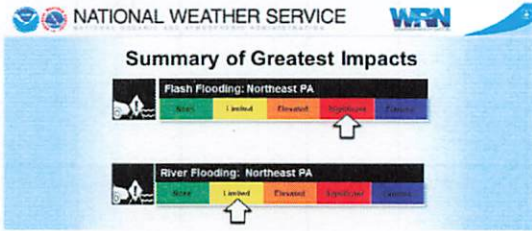
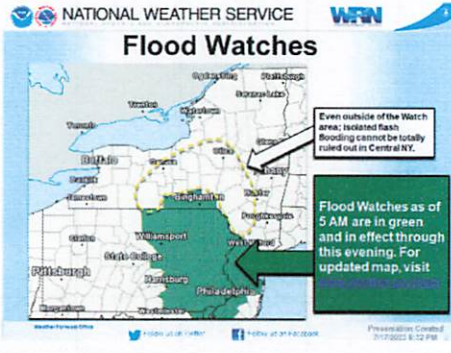
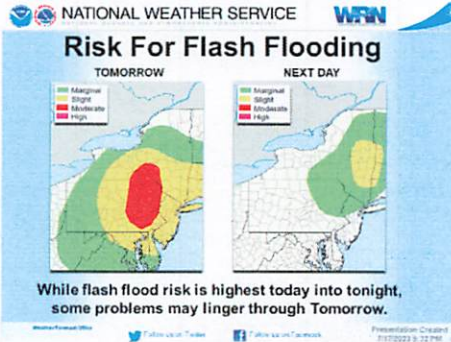
	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.		X			
Share what I learned about NWS products today with others.		X			
Seek NWS information about extreme weather risks.		X			
Use NWS products and information in your decision-making		X			

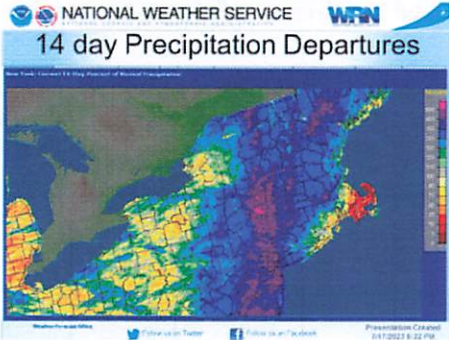
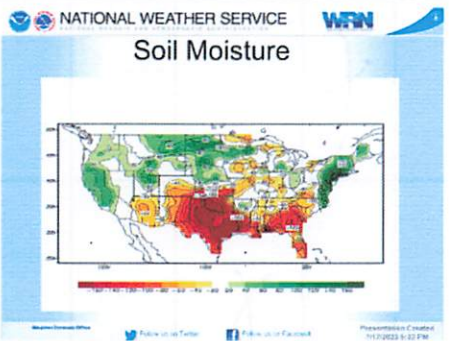
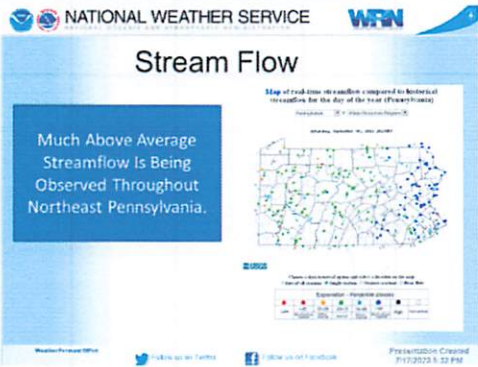
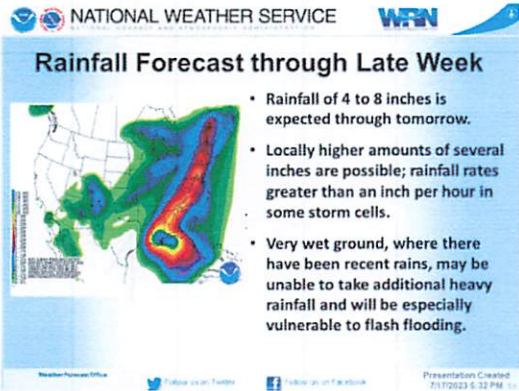
5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text Graphics Combined text and graphics

Please explain. *Graphs are visual but the text simplifies everything.*

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful												
 <p>Main Points</p> <table border="1"> <thead> <tr> <th>Hazard</th> <th>Impacts</th> <th>Location</th> <th>Timing</th> </tr> </thead> <tbody> <tr> <td>Flash Flooding</td> <td>Road washouts/closures and flooded homes may occur.</td> <td>Mainly Northeast PA</td> <td>Tomorrow through late this week.</td> </tr> <tr> <td>River Flooding</td> <td>Main stem river flooding is not expected, significant within bank.</td> <td>Northeast PA rivers</td> <td>End of the Week</td> </tr> </tbody> </table>	Hazard	Impacts	Location	Timing	Flash Flooding	Road washouts/closures and flooded homes may occur.	Mainly Northeast PA	Tomorrow through late this week.	River Flooding	Main stem river flooding is not expected, significant within bank.	Northeast PA rivers	End of the Week		X			
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 <p>Summary of Greatest Impacts</p> <p>Flash Flooding: Northeast PA</p> <p>River Flooding: Northeast PA</p>			X														
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 <p>Risk For Flash Flooding</p> <p>TOMORROW</p> <p>NEXT DAY</p> <p>While flash flood risk is highest today into tonight, some problems may linger through Tomorrow.</p>				X													

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
 <p>NATIONAL WEATHER SERVICE 14 day Precipitation Departures</p> <p>Weather Forecast Office <small>Follow us on Twitter Follow us on Facebook</small> <small>Presentation Created: 7/17/2023 9:32 PM</small></p>					X
 <p>NATIONAL WEATHER SERVICE Soil Moisture</p> <p>Weather Forecast Office <small>Follow us on Twitter Follow us on Facebook</small> <small>Presentation Created: 7/17/2023 9:32 PM</small></p>				X	
 <p>NATIONAL WEATHER SERVICE Stream Flow</p> <p>Much Above Average Streamflow Is Being Observed Throughout Northeast Pennsylvania.</p> <p>Weather Forecast Office <small>Follow us on Twitter Follow us on Facebook</small> <small>Presentation Created: 7/17/2023 9:32 PM</small></p>			X		
 <p>NATIONAL WEATHER SERVICE Rainfall Forecast through Late Week</p> <ul style="list-style-type: none"> • Rainfall of 4 to 8 inches is expected through tomorrow. • Locally higher amounts of several inches are possible; rainfall rates greater than an inch per hour in some storm cells. • Very wet ground, where there have been recent rains, may be unable to take additional heavy rainfall and will be especially vulnerable to flash flooding. <p>Weather Forecast Office <small>Follow us on Twitter Follow us on Facebook</small> <small>Presentation Created: 7/17/2023 9:32 PM</small></p>	X				

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>River level probabilities</p> <p>NATIONAL WEATHER SERVICE WFN Risk of River Flooding at Wilkes-Barre NAEFS - 10 Day River Level Probabilities Susquehanna River at Wilkes-Barre, PA</p>				X	
<p>Precipitation Probabilities</p> <p>NATIONAL WEATHER SERVICE WFN Range of Potential Rainfall Affecting Wilkes-Barre NAEFS - 10 Day Accumulated Precipitation Probabilities Susquehanna River at Wilkes-Barre, PA</p>					X
<p>Social Media</p> <p>US National Weather Service Bethlehem, NY High Flood warning up for part of the area until 2:16 pm. Please do not attempt to cross flooded roads. More than half of flood-related deaths occur in automobiles from people trying to cross places they shouldn't.</p> <p>US National Weather Service Bethlehem, NY Heavy rain forecasts are out. Heavy rains along the Susquehanna River are expected to crest near or exceed levels of record flood stages. Remember you can check flood forecasts here [link].</p>				X	

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Potential Summary</p>			X		
<p>Excessive Rainfall Risk</p>		X			
<p>Flood Hazard Outlook</p>				X	

7. What changes might you recommend for any of the products shown?

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet None Other: TU

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop None Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

The info seemed above the average Joe level of information needed.

11. What improvements could be made in the format or content of this session?

Over talking seemed to be an issue

12. Additional comments:

Info/study was extremely interesting I definitely will use info given during next rain storm. *Thank you for participating!*

Survey Questions - Post-Focus Group Session Survey

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1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	X				
I felt comfortable voicing my opinion.	X				
I know more about the National Weather Service (NWS) resources.	X				
I feel I could use NWS resources to judge my risk in an extreme weather event.	X				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

THEY CAN BE A LITTLE CONFUSING

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

LOCATING REGION/CITY-SPECIFIC INFORMATION IS MOST IMPORTANT

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.			X		
Share what I learned about NWS products today with others.		X			
Seek NWS information about extreme weather risks.	X				
Use NWS products and information in your decision-making	X				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

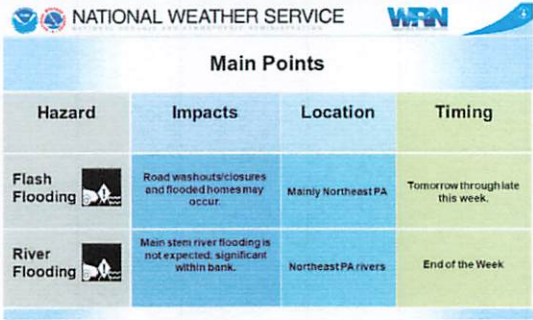
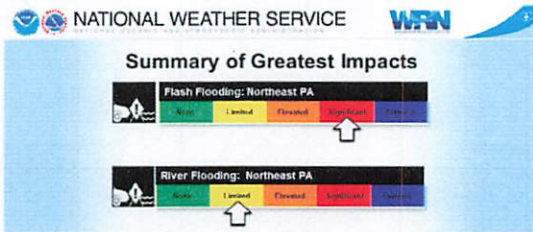
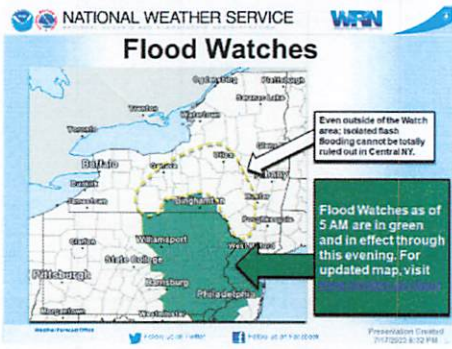

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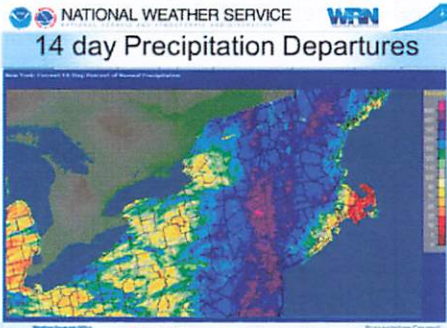
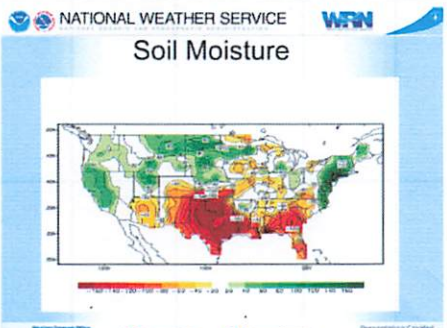
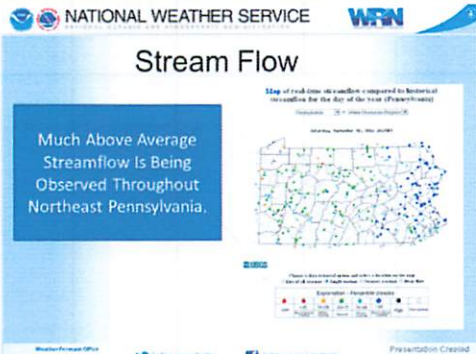
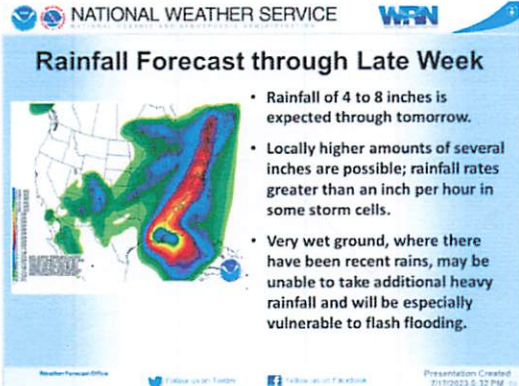
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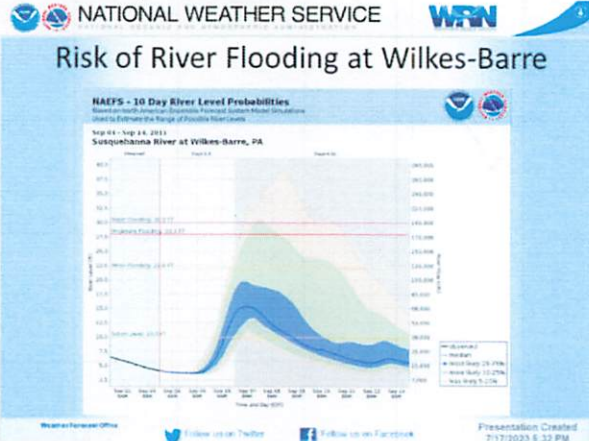
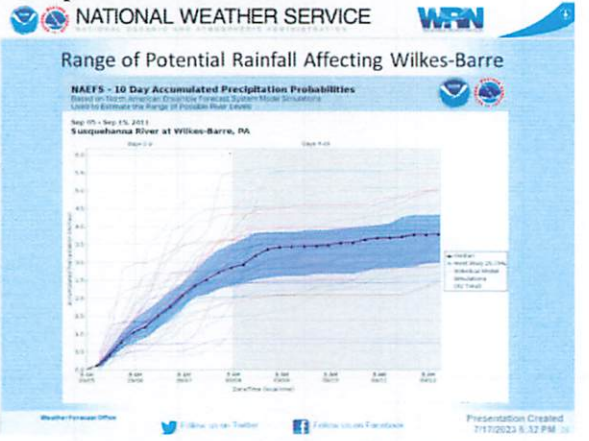
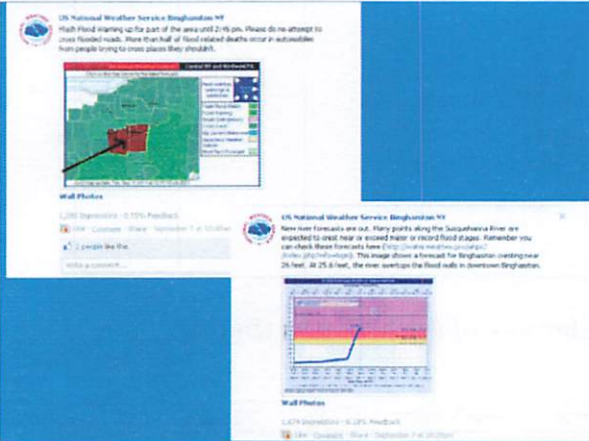
Combined text and graphics

Please explain. GRAPHICS ARE GOOD FOR BIG-PICTURE UNDERSTANDING,
 BUT I FEEL TEXT "BULLET" POINTS ARE MORE ACTIONABLE.

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful												
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 <p>Risk For Flash Flooding</p> <p>TOMORROW</p> <p>NEXT DAY</p> <p>While flash flood risk is highest today into tonight, some problems may linger through Tomorrow.</p>		✓															

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
 <p>NATIONAL WEATHER SERVICE 14 day Precipitation Departures</p> <p>Map of real-time observations compared to historical (normal) for the day of the year (Presentations) 01/17/2023 9:32 PM</p>					✓
 <p>NATIONAL WEATHER SERVICE Soil Moisture</p> <p>Map of real-time observations compared to historical (normal) for the day of the year (Presentations) 01/17/2023 9:32 PM</p>					✓
 <p>NATIONAL WEATHER SERVICE Stream Flow</p> <p>Much Above Average Streamflow is Being Observed Throughout Northeast Pennsylvania.</p> <p>Map of real-time observations compared to historical (normal) for the day of the year (Presentations) 01/17/2023 9:32 PM</p>				✓	
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	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
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<p>Precipitation Probabilities</p>  <p>Precipitation Probabilities NATIONAL WEATHER SERVICE Range of Potential Rainfall Affecting Wilkes-Barre</p> <p>NAEFS - 10 Day Accumulated Precipitation Probabilities Based on North American Ensemble Forecast System Model Simulations Used to Estimate the Range of Possible River Levels Sep 09 - Sep 15, 2023 Susquehanna River at Wilkes-Barre, PA</p> <p>Presentation Created 7/17/2023 8:32 PM</p>			✓		
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	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
	✓				
		✓			
			✓		

7. What changes might you recommend for any of the products shown?

FLOOD HAZARD OUTLOOK SHOULD BREAK OF TIME FRAMES INTO SEPARATE MAPS, IT'S TOO CONFUSING.

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet None Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop None Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

12. Additional comments:

Thank you for participating!

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The information was clearly presented.	✓				
I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

if I lose internet access in a weather event I'll lose my information source

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

many folks need to plan as far ahead as possible. ready cash - and ability to acquire evacuation routes

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.			✓		
Share what I learned about NWS products today with others.	✓				
Seek NWS information about extreme weather risks.	✓				
Use NWS products and information in your decision-making	✓				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.


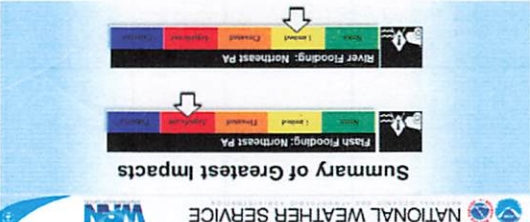

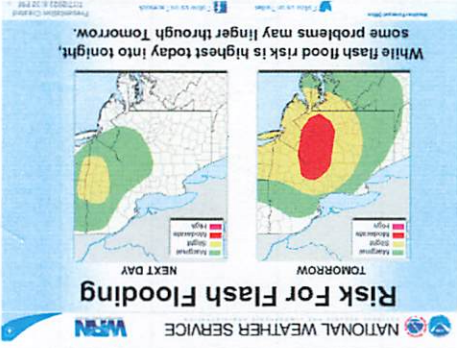
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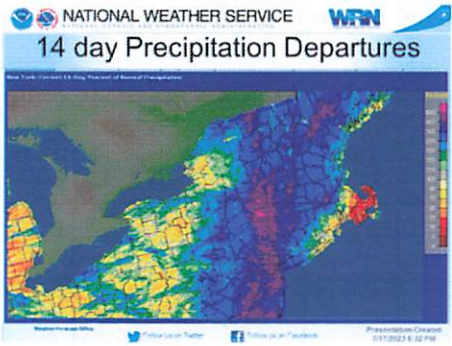
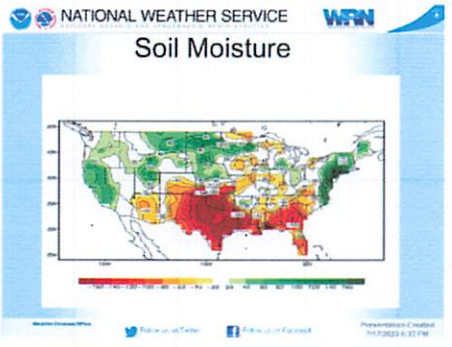
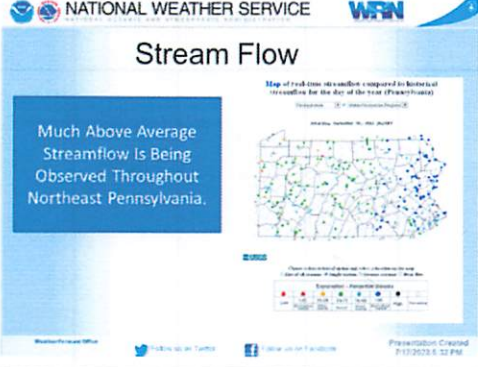
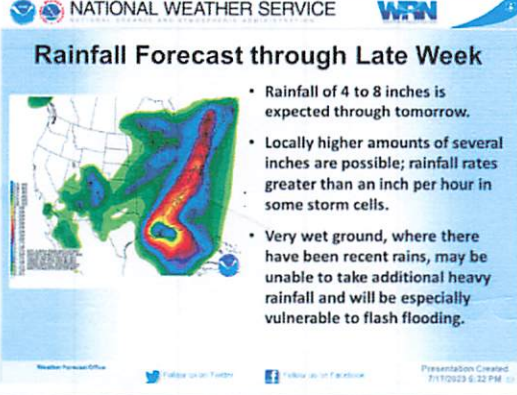
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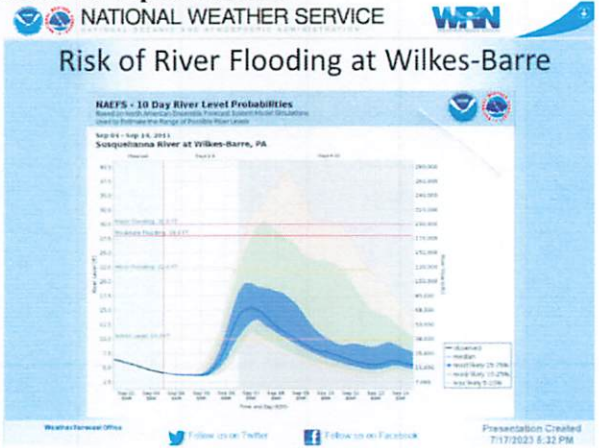
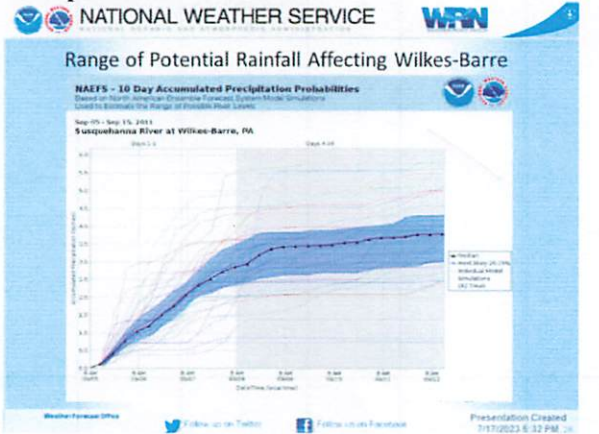
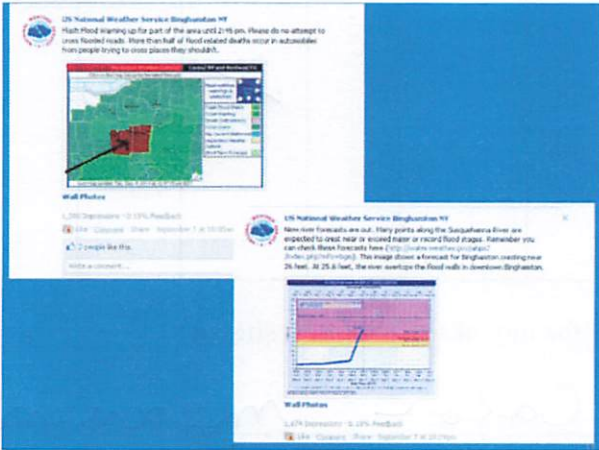
Combined text and graphics

Please explain. Both are useful.

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

Not at all useful	Slightly useful	Moderately useful	Very useful	Extremely useful	
				✓	
				✓	
			✓		
		✓			

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
 <p>NATIONAL WEATHER SERVICE WFN 14 day Precipitation Departures</p> <p>Map of real-time observations compared to historical (averages for the day of the year (PDSR/1981-2010))</p> <p>Weather Forecast Office Presentation Created: 7/11/2023 6:32 PM</p>				✓	
 <p>NATIONAL WEATHER SERVICE WFN Soil Moisture</p> <p>Map of real-time observations compared to historical (averages for the day of the year (PDSR/1981-2010))</p> <p>Weather Forecast Office Presentation Created: 7/11/2023 6:32 PM</p>				✓	
 <p>NATIONAL WEATHER SERVICE WFN Stream Flow</p> <p>Much Above Average Streamflow Is Being Observed Throughout Northeast Pennsylvania.</p> <p>Map of real-time observations compared to historical (averages for the day of the year (PDSR/1981-2010))</p> <p>Weather Forecast Office Presentation Created: 7/11/2023 6:32 PM</p>		✓			
 <p>NATIONAL WEATHER SERVICE WFN Rainfall Forecast through Late Week</p> <ul style="list-style-type: none"> • Rainfall of 4 to 8 inches is expected through tomorrow. • Locally higher amounts of several inches are possible; rainfall rates greater than an inch per hour in some storm cells. • Very wet ground, where there have been recent rains, may be unable to take additional heavy rainfall and will be especially vulnerable to flash flooding. <p>Weather Forecast Office Presentation Created: 7/11/2023 6:32 PM</p>	✓				

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>River level probabilities</p>  <p>Risk of River Flooding at Wilkes-Barre</p> <p>NAEFS - 10 Day River Level Probabilities Based on North American Climate Forecast System Model Simulations Used to Estimate the Range of Possible River Levels</p> <p>Sep 04 - Sep 14, 2013 Susquehanna River at Wilkes-Barre, PA</p> <p>Weather Forecast Office Presentation Created 7/17/2023 8:32 PM</p>				✓	
<p>Precipitation Probabilities</p>  <p>Range of Potential Rainfall Affecting Wilkes-Barre</p> <p>NAEFS - 10 Day Accumulated Precipitation Probabilities Based on North American Climate Forecast System Model Simulations Used to Estimate the Range of Possible Rain Levels</p> <p>Sep 05 - Sep 15, 2013 Wilkes-Barre, PA</p> <p>Weather Forecast Office Presentation Created 7/17/2023 8:32 PM</p>				✓	
<p>Social Media</p>  <p>NWS National Weather Service Birmingham AL Flash Flood warning up for part of the area until 2:15 pm. Please do not attempt to cross flooded roads. More than half of flood-related deaths occur in subdivisions from people trying to cross flooded roads.</p> <p>NWS National Weather Service Birmingham AL More river forecast news. Heavy parts along the Susquehanna River are expected to crest near or exceed flood stages. Remember you can check River Forecasts here: http://www.weather.gov/bmo/river/ (links to river forecasts) (links to hydrographs). The range shown is forecast for Birmingham, reading near 26 feet. At 25.8 feet, the river overtops the flood walls in downtown Birmingham.</p> <p>Weather Forecast Office Presentation Created 7/17/2023 8:32 PM</p>			✓		

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Potential Summary</p>	✓				
<p>Excessive Rainfall Risk</p>	✓				
<p>Flood Hazard Outlook</p>			✓		

7. What changes might you recommend for any of the products shown?

Consistent color meanings
in the graphs.

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

None

Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

None

Other: _____

10. Was anything in the session confusing?

Yes

No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

N - A

12. Additional comments:

interesting and informative

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

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1. Please rate your agreement with the following statements about the forum.

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	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	X				
I felt comfortable voicing my opinion.	X				
I know more about the National Weather Service (NWS) resources.	X				
I feel I could use NWS resources to judge my risk in an extreme weather event.	X				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

I AM FASCINATED WITH WEATHER AND CAN UNDERSTAND THE PRODUCTS BUT SOME OF THEM CAN BE TOO COMPLEX FOR SOME.

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	X				
Share what I learned about NWS products today with others.	X				
Seek NWS information about extreme weather risks.	X				
Use NWS products and information in your decision-making	X				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text

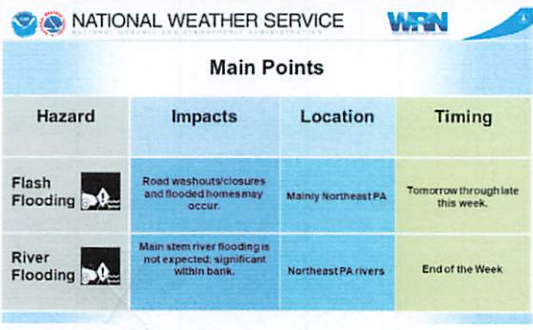
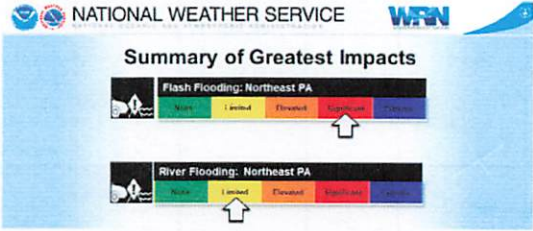
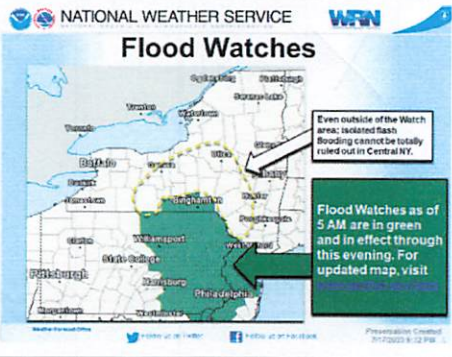

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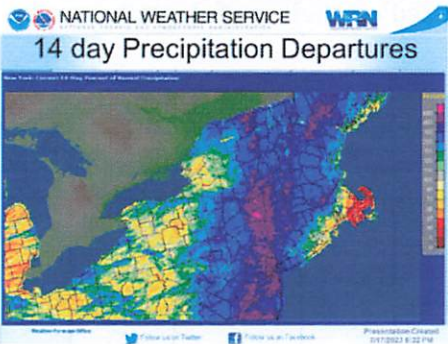
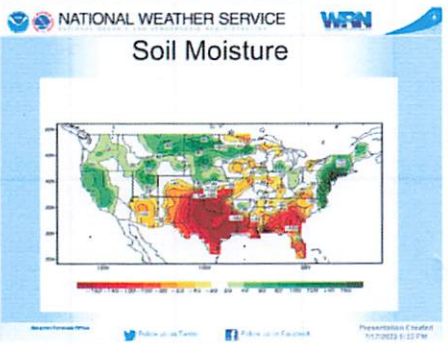
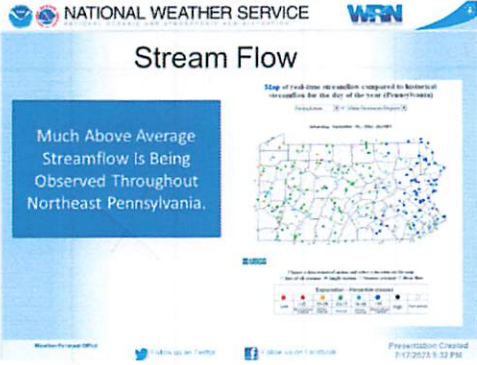
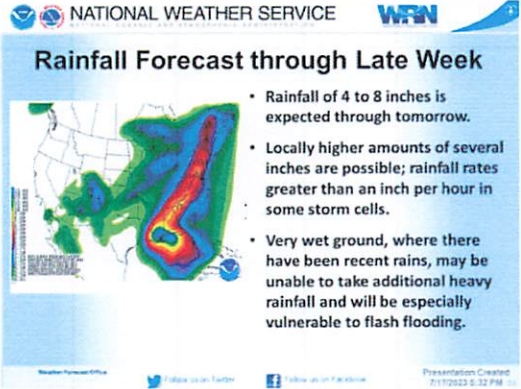
Combined text and graphics

Please explain.

GRAPHICS CALL ATTENTION TO A SITUATION THEN THE TEXT EXPLAINS THE SITUATION RATHER THAN HAVING TO DECIPHER THE GRAPHICS ALONE.

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful												
 <p>Main Points</p> <table border="1"> <thead> <tr> <th>Hazard</th> <th>Impacts</th> <th>Location</th> <th>Timing</th> </tr> </thead> <tbody> <tr> <td>Flash Flooding</td> <td>Road washouts/closures and flooded homes may occur.</td> <td>Mainly Northeast PA</td> <td>Tomorrow through late this week.</td> </tr> <tr> <td>River Flooding</td> <td>Main stem river flooding is not expected, significant within bank.</td> <td>Northeast PA rivers</td> <td>End of the Week</td> </tr> </tbody> </table>	Hazard	Impacts	Location	Timing	Flash Flooding	Road washouts/closures and flooded homes may occur.	Mainly Northeast PA	Tomorrow through late this week.	River Flooding	Main stem river flooding is not expected, significant within bank.	Northeast PA rivers	End of the Week	X				
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 <p>Summary of Greatest Impacts</p> <p>Flash Flooding: Northeast PA</p> <p>River Flooding: Northeast PA</p>	X																
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 <p>Risk For Flash Flooding</p> <p>TOMORROW</p> <p>NEXT DAY</p> <p>While flash flood risk is highest today into tonight, some problems may linger through Tomorrow.</p>				X													

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
 <p>NATIONAL WEATHER SERVICE WFN 14 day Precipitation Departures</p> <p>Map of the Northeast showing precipitation departures. The map uses a color scale from blue (below normal) to red (above normal). Significant red areas are visible in the Northeast and parts of the Midwest.</p> <p>Weather Forecast Office Presentation Created: 7/17/2023 9:32 PM</p>					X
 <p>NATIONAL WEATHER SERVICE WFN Soil Moisture</p> <p>Map of the United States showing soil moisture levels. The map uses a color scale from green (low) to red (high). High soil moisture is concentrated in the Northeast and parts of the Midwest.</p> <p>Weather Forecast Office Presentation Created: 7/17/2023 9:32 PM</p>				X	
 <p>NATIONAL WEATHER SERVICE WFN Stream Flow</p> <p>Much Above Average Streamflow is Being Observed Throughout Northeast Pennsylvania.</p> <p>Map of the Northeast showing stream flow. The map uses a color scale from blue (low) to red (high). High stream flow is concentrated in the Northeast.</p> <p>Weather Forecast Office Presentation Created: 7/17/2023 9:32 PM</p>		X			
 <p>NATIONAL WEATHER SERVICE WFN Rainfall Forecast through Late Week</p> <p>Rainfall of 4 to 8 inches is expected through tomorrow.</p> <p>Locally higher amounts of several inches are possible; rainfall rates greater than an inch per hour in some storm cells.</p> <p>Very wet ground, where there have been recent rains, may be unable to take additional heavy rainfall and will be especially vulnerable to flash flooding.</p> <p>Map of the Northeast showing rainfall forecast. The map uses a color scale from green (low) to red (high). High rainfall is concentrated in the Northeast.</p> <p>Weather Forecast Office Presentation Created: 7/17/2023 9:32 PM</p>	X				

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>River level probabilities</p> <p>NATIONAL WEATHER SERVICE WFTN</p> <p>Risk of River Flooding at Wilkes-Barre</p> <p>NAEFS - 10 Day River Level Probabilities <small>Based on Weather Service Forecasts. Forecast Uncertainty Situation. Used to Estimate the Range of Possible River Levels.</small></p> <p>Sep 04 - Sep 14, 2023 Susquehanna River at Wilkes-Barre, PA</p> <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created 7/17/2023 5:32 PM</p>			X		
<p>Precipitation Probabilities</p> <p>NATIONAL WEATHER SERVICE WFTN</p> <p>Range of Potential Rainfall Affecting Wilkes-Barre</p> <p>NAEFS - 10 Day Accumulated Precipitation Probabilities <small>Based on Weather Service Forecasts. Forecast Uncertainty Situation. Used to Estimate the Range of Possible River Levels.</small></p> <p>Sep 05 - Sep 15, 2023 Wilkes-Barre</p> <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created 7/17/2023 5:32 PM</p>				X	
<p>Social Media</p> <p>12% National Weather Service Binghamton NY Flood Flood warning up for part of the area and 2-15 in. Please do not attempt to cross flooded roads. More than half of flood-related deaths occur in automobiles when people trying to cross floodwaters (roadkill).</p> <p>1% National Weather Service Binghamton NY More river forecasts are out. Heavy parts along the Susquehanna River are expected to crest near or exceed major or record flood stages. Remember you can check these forecasts here (link to river forecast page) under (link to forecast page). This image shows a forecast for Binghamton leading near 25 feet. At 25.5 feet, the river overtops the flood walls in downtown Binghamton.</p> <p>1,200 Impressions · 0.20% Feedback 1 Comment · Share · September 7 at 10:08am 1 Example like this Write a comment</p> <p>1,474 Impressions · 0.20% Feedback 1 like · September 7 · Share · September 7 at 10:08am</p>	X				

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Potential Summary</p>	X				
<p>Excessive Rainfall Risk</p>		X			
<p>Flood Hazard Outlook</p>					X

7. What changes might you recommend for any of the products shown?

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet None Other: NOA WEATHER RADIO

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop None Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

N/A

12. Additional comments:

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

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1. Please rate your agreement with the following statements about the forum.

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	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.		X			
I felt comfortable voicing my opinion.		X			
I know more about the National Weather Service (NWS) resources.				X	
I feel I could use NWS resources to judge my risk in an extreme weather event.					

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

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Create or revise plans to deal with extreme weather events using NWS products.					
Share what I learned about NWS products today with others.	X				
Seek NWS information about extreme weather risks.					
Use NWS products and information in your decision-making	X				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

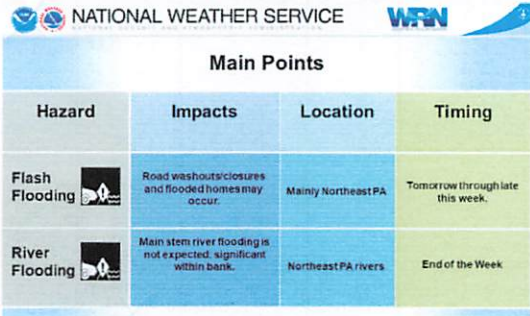
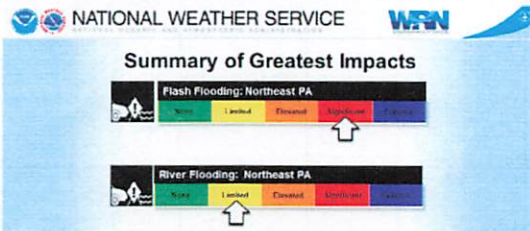
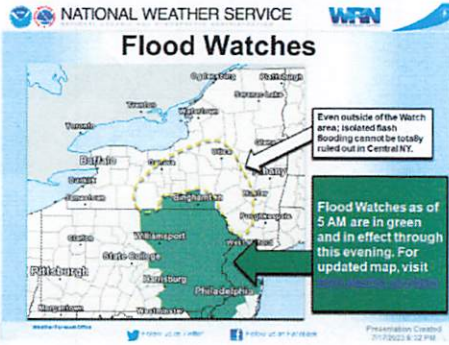

Text

Graphics

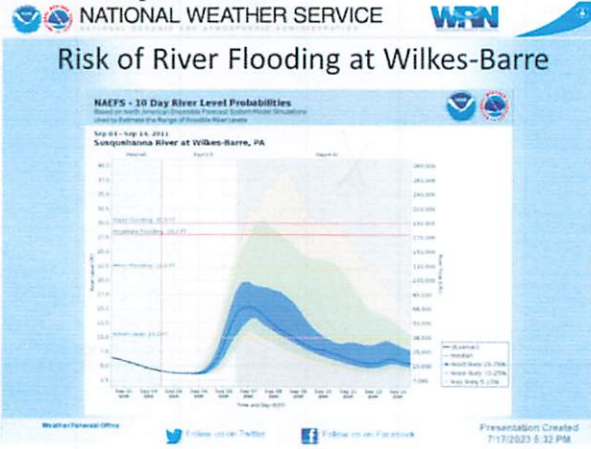
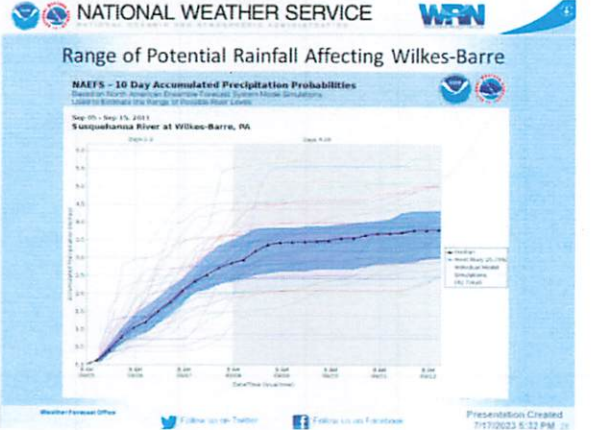

Combined text and graphics

Please explain. EASIER FOR MORE People To understand

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful												
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	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>NATIONAL WEATHER SERVICE WFN 14 day Precipitation Departures</p> <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created: 03/17/2023 9:32 PM</p>					X
<p>NATIONAL WEATHER SERVICE WFN Soil Moisture</p> <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created: 03/17/2023 9:22 PM</p>				X	
<p>NATIONAL WEATHER SERVICE WFN Stream Flow</p> <p>Much Above Average Streamflow Is Being Observed Throughout Northeast Pennsylvania.</p> <p>Map of real-time streamflow compared to historical averages for the day of the year (Presentations) Response: 03/17/2023 09:32 PM Metadata: Version: 03/17/2023</p> <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created: 03/17/2023 9:32 PM</p>				X	
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	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>River level probabilities</p> 			X		
<p>Precipitation Probabilities</p> 					X
<p>Social Media</p> 		X			

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Potential Summary</p>		X			
<p>Excessive Rainfall Risk</p>	X				
<p>Flood Hazard Outlook</p>				X	

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Twitter

Internet

None

Other: _____

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Other: _____

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If Yes, please explain:

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Share what I learned about NWS products today with others.			✓		
Seek NWS information about extreme weather risks.	✓				
Use NWS products and information in your decision-making	✓				

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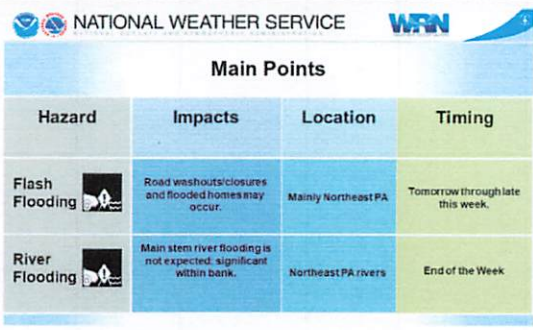
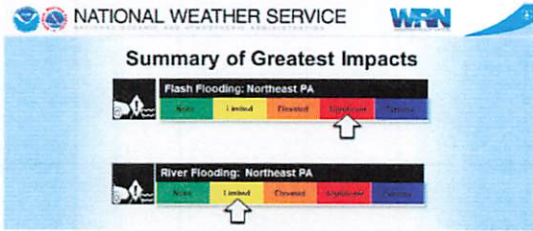
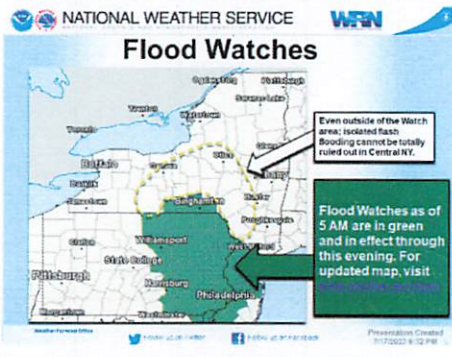
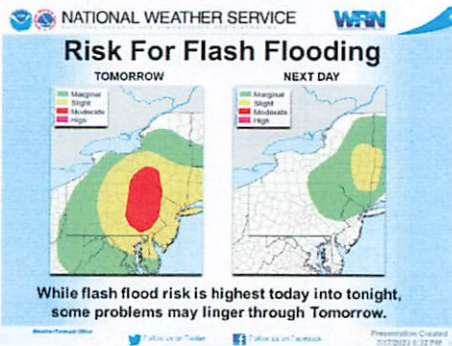
Text

Graphics

Combined text and graphics

Please explain. _____

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	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>NATIONAL WEATHER SERVICE WFN 14 day Precipitation Departures</p> <p>Map of real-time 14-day departures of observed precipitation.</p> <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created 7/17/2023 9:32 PM</p>			✓		
<p>NATIONAL WEATHER SERVICE WFN Soil Moisture</p> <p>Map of real-time soil moisture.</p> <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created 7/17/2023 9:32 PM</p>			✓		
<p>NATIONAL WEATHER SERVICE WFN Stream Flow</p> <p>Much Above Average Streamflow Is Being Observed Throughout Northeast Pennsylvania.</p> <p>Map of real-time streamflow compared to historical streamflow for the day of the year (Flow-to-Normal).</p> <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created 7/17/2023 9:32 PM</p>			✓		
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	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>River level probabilities</p> <p>Risk of River Flooding at Wilkes-Barre</p> <p>NAEFS - 10 Day River Level Probabilities <small>Based on North American Ensemble Forecast System Model Simulations. Leads to Estimate the Range of Possible River Levels.</small></p> <p>Sep 08 - Sep 14, 2023 Susquehanna River at Wilkes-Barre, PA</p> <p>100 Year Flooding (25.0') 100 Year Flooding (24.0') 100 Year Flooding (23.0')</p> <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created 7/17/2023 5:32 PM</p>			✓		
<p>Precipitation Probabilities</p> <p>Range of Potential Rainfall Affecting Wilkes-Barre</p> <p>NAEFS - 10 Day Accumulated Precipitation Probabilities <small>Based on North American Ensemble Forecast System Model Simulations. Leads to Estimate the Range of Possible River Levels.</small></p> <p>Sep 08 - Sep 14, 2023 Susquehanna River at Wilkes-Barre, PA</p> <p>100 Year Flooding (25.0') 100 Year Flooding (24.0') 100 Year Flooding (23.0')</p> <p>Weather Forecast Office Follow us on Twitter Follow us on Facebook Presentation Created 7/17/2023 5:32 PM</p>			✓		
<p>Social Media</p> <p>25 National Weather Service Binghamton NY Flash Flood warning up for part of the area until 2:15 pm. Please do not attempt to cross flooded roads. More than half of flood-related deaths occur in subdivisions that people living in those places they shouldn't.</p> <p>1/26 Deposition 1.2% Precip 1/26 Deposition 1.2% Precip</p> <p>1/26 Deposition 1.2% Precip 1/26 Deposition 1.2% Precip</p> <p>1/26 Deposition 1.2% Precip 1/26 Deposition 1.2% Precip</p> <p>1/26 Deposition 1.2% Precip 1/26 Deposition 1.2% Precip</p>			✓		

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<p>Flood Potential Summary</p>			✓		
<p>Excessive Rainfall Risk</p>		✓			
<p>Flood Hazard Outlook</p>		✓			

7. What changes might you recommend for any of the products shown?

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

None

Other:

RADIO

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

None

Other:

RADIO

10. Was anything in the session confusing? Yes

No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

12. Additional comments:

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995 unless the information collection has a currently valid OMB Control Number. The approved OMB Control Number for this information collection is 0690-0030. Without this approval, we could not conduct this post-focus group survey collection. Public reporting for this information collection is estimated to be approximately 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. All responses to this information collection are voluntary. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Nurture Nature Center at: 518 Northampton Street, Easton, PA 18042, Attn: Rachel Hogan Carr, Executive Director, rhogan@nurturenature.org.

1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	X				
I felt comfortable voicing my opinion.	X				
I know more about the National Weather Service (NWS) resources.		X			
I feel I could use NWS resources to judge my risk in an extreme weather event.	X				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

making sure that it's in laymans terms so the general public can understand - also the need for as much localized information is needed

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

suggestions for what to do if in certain zones of risk.

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	X				
Share what I learned about NWS products today with others.	X				
Seek NWS information about extreme weather risks.	X				
Use NWS products and information in your decision-making	X				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text

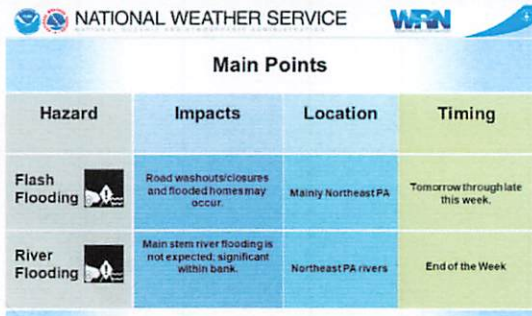
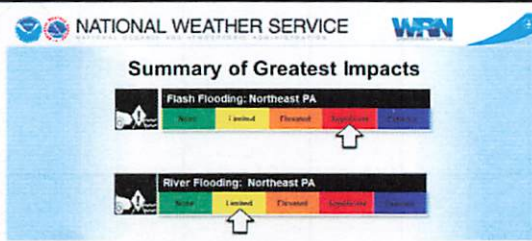
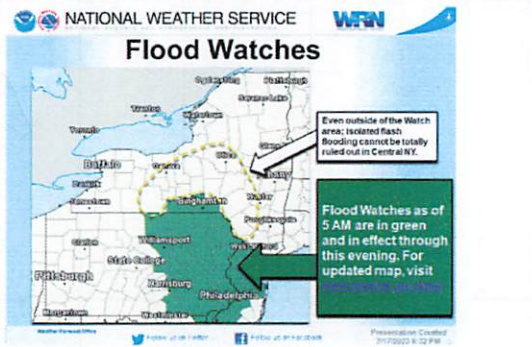
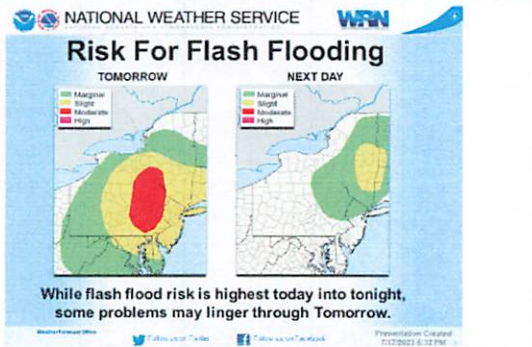
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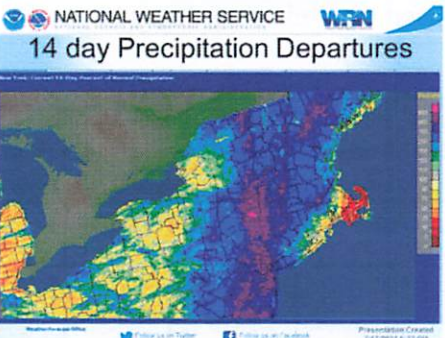
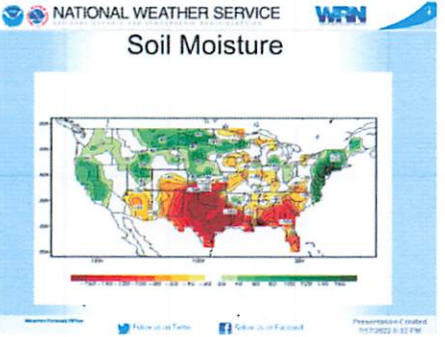
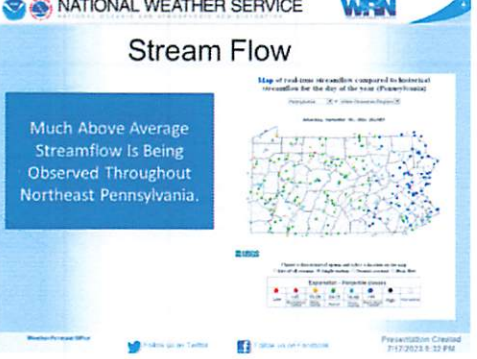
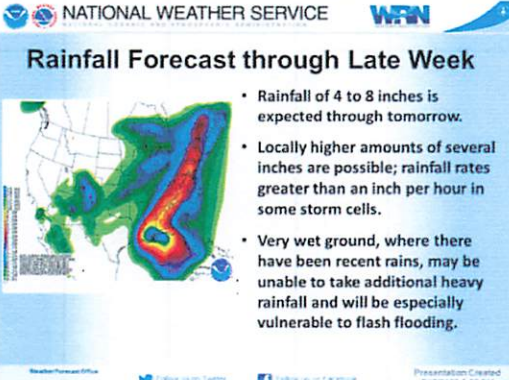
Combined text and graphics

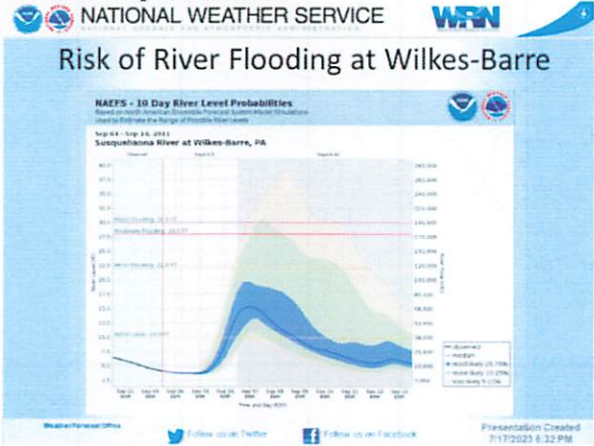
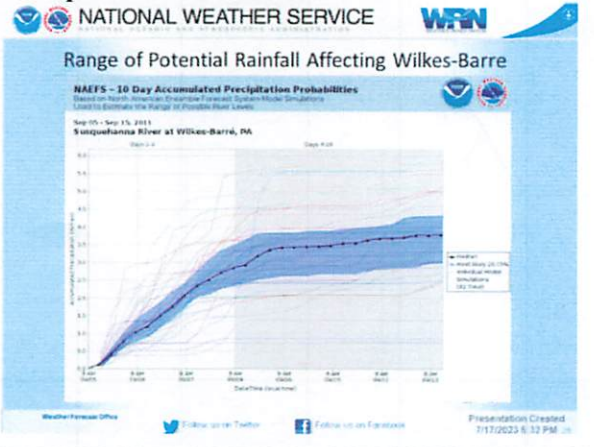
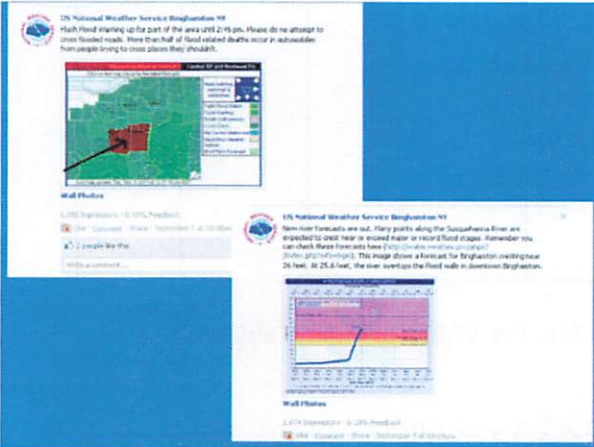
Please explain.

the graphics can help with severity but the graphics need laymans term explanations

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<p>River level probabilities</p> 			X		
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<p>Social Media</p> 			X		

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	X				
	X				
	X				

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hashing can be bothersome

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N/A perfect open forum

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Thank you for participating!